



## **The EDR Radius Map with GeoCheck®**

**Burgess Mill  
Unity Street/Huchins Street  
Berlin, NH 03570**

**Inquiry Number: 1750448.2s**

**September 07, 2006**

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

UNITY STREET/HUCHINS STREET  
BERLIN, NH 03570

#### COORDINATES

Latitude (North):	44.471700 - 44° 28' 18.1"
Longitude (West):	71.172200 - 71° 10' 19.9"
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	327225.6
UTM Y (Meters):	4926344.0
Elevation:	1059 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	44071-D2 BERLIN, NH
Most Recent Revision:	1989

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### FEDERAL RECORDS

<b>Delisted NPL</b>	..... National Priority List Deletions
<b>NPL RECOVERY</b>	..... Federal Superfund Liens
<b>CERC-NFRAP</b>	..... CERCLIS No Further Remedial Action Planned
<b>CORRACTS</b>	..... Corrective Action Report
<b>RCRA-TSDF</b>	..... Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b>	..... Resource Conservation and Recovery Act Information
<b>ERNS</b>	..... Emergency Response Notification System
<b>HMIRS</b>	..... Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b>	..... Engineering Controls Sites List
<b>US INST CONTROL</b>	..... Sites with Institutional Controls

## EXECUTIVE SUMMARY

<b>DOD</b>	Department of Defense Sites
<b>FUDS</b>	Formerly Used Defense Sites
<b>CONSENT</b>	Superfund (CERCLA) Consent Decrees
<b>ROD</b>	Records Of Decision
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ODI</b>	Open Dump Inventory
<b>TRIS</b>	Toxic Chemical Release Inventory System
<b>TSCA</b>	Toxic Substances Control Act
<b>FTTS</b>	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b>	Section 7 Tracking Systems
<b>ICIS</b>	Integrated Compliance Information System
<b>PADS</b>	PCB Activity Database System
<b>MLTS</b>	Material Licensing Tracking System
<b>MINES</b>	Mines Master Index File
<b>RAATS</b>	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>SWF/LF</b>	Solid Waste Facility Information
<b>NH Spills</b>	Listing of All Sites
<b>Inst Control</b>	Activity and Use Restrictions
<b>VCP</b>	Voluntary Cleanup Program Sites
<b>DRYCLEANERS</b>	Listing of Drycleaners
<b>NPDES</b>	NPDES Permit Listing
<b>LEAD</b>	Lead Inspection Database

### TRIBAL RECORDS

<b>INDIAN RESERV</b>	Indian Reservations
<b>INDIAN LUST</b>	Leaking Underground Storage Tanks on Indian Land
<b>INDIAN UST</b>	Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

**Manufactured Gas Plants**... EDR Proprietary Manufactured Gas Plants

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.



## EXECUTIVE SUMMARY

### FEDERAL RECORDS

**NPL:** Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 04/19/2006 has revealed that there is 1 NPL site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CHLOR-ALKALI FACILITY (FORMER)</b>	<b>ADJACENT TO SAW MILL DA</b>	<b>1/2 - 1 NNE</b>	<b>36</b>	<b>39</b>

**Proposed NPL:** Proposed NPL sites . The source of this database is the U.S. EPA.

A review of the Proposed NPL list, as provided by EDR, and dated 04/19/2006 has revealed that there is 1 Proposed NPL site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CHLOR-ALKALI FACILITY (FORMER)</b>	<b>ADJACENT TO SAW MILL DA</b>	<b>1/2 - 1 NNE</b>	<b>36</b>	<b>39</b>

**CERCLIS:** The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 06/19/2006 has revealed that there is 1 CERCLIS site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CHLOR-ALKALI FACILITY (FORMER)</b>	<b>ADJACENT TO SAW MILL DA</b>	<b>1/2 - 1 NNE</b>	<b>36</b>	<b>39</b>

**RCRAInfo:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act ( RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 14 RCRA-SQG sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SHERWIN WILLIAMS CO</b>	<b>162 MAIN ST</b>	<b>1/8 - 1/4N</b>	<b>A5</b>	<b>7</b>
<b>BLANCHETTE GARAGE</b>	<b>300 COOS ST</b>	<b>1/4 - 1/2SSE</b>	<b>B11</b>	<b>14</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BERLIN FIRE DEPT CITY OF	263 MAIN ST	1/4 - 1/2 NNE	C14	16
LEONS GARAGE	325 MAIN ST	1/4 - 1/2 NNE	C19	19
<b>FRASER NH LLC</b>	<b>UNITY ST</b>	<b>1/4 - 1/2 ENE</b>	<b>21</b>	<b>21</b>
<b>NEW ENGLAND TELEPHONE CO</b>	<b>RTE 2</b>	<b>1/4 - 1/2 WNW</b>	<b>E23</b>	<b>27</b>
VERIZON	97 HIGH ST	1/4 - 1/2 WNW	E27	30
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
C N BROWN	120 E MASON ST	1/4 - 1/2 SSW	D18	19
<b>CUMBERLAND FARMS INC 2835</b>	<b>173 MAIN ST &amp; MASON ST</b>	<b>1/4 - 1/2 WSW</b>	<b>22</b>	<b>27</b>
<b>PSNH</b>	<b>194 SCHOOL ST</b>	<b>1/4 - 1/2 W</b>	<b>F25</b>	<b>29</b>
OBRIEN DAN RESIDENCE	87 WILLARD ST	1/4 - 1/2 W	F28	31
<b>BERLIN FOUNDRY &amp; MACHINE CO</b>	<b>489 GOEBEL ST</b>	<b>1/4 - 1/2 SW</b>	<b>G30</b>	<b>31</b>
<b>BERLIN HIGH SCHOOL</b>	<b>550 WILLARD ST</b>	<b>1/4 - 1/2 W</b>	<b>32</b>	<b>33</b>
<b>BROOKS PHARMACY 355</b>	<b>200 PLEASANT ST</b>	<b>1/4 - 1/2 WSW</b>	<b>33</b>	<b>35</b>

**US BROWNFIELDS:** The EPA's listing of Brownfields properties addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments

A review of the US BROWNFIELDS list, as provided by EDR, and dated 07/10/2006 has revealed that there are 2 US BROWNFIELDS sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DUMMER YARD	NEAR HUTCHINS STREET	0 - 1/8 SSE	1	6
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HODGDON OIL STORAGE	GILBERT STREET	1/2 - 1 W	45	53

**FINDS:** The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/21/2006 has revealed that there are 2 FINDS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SHERWIN WILLIAMS CO</b>	<b>162 MAIN ST</b>	<b>1/8 - 1/4 N</b>	<b>A5</b>	<b>7</b>
Not reported	177 MAIN ST. BERLIN NH	1/8 - 1/4 N	A8	11

## EXECUTIVE SUMMARY

### STATE AND LOCAL RECORDS

**SHWS:** The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Services' Hazardous Waste Inventory list.

A review of the SHWS list, as provided by EDR, and dated 06/21/2006 has revealed that there are 5 SHWS sites within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CUMBERLAND FARMS 2835</b> Project Manager: CLOSED	<b>173 MAIN ST</b>	<b>1/8 - 1/4N</b>	<b>A7</b>	<b>9</b>
<b>CHLOR ALKALI FACILITY (CROWN</b> Project Manager: HOFFMAN	<b>650 MAIN ST</b>	<b>1/2 - 1 NNE</b>	<b>42</b>	<b>45</b>
<b>FORMER RESEARCH &amp; DEVELOPMENT</b> Project Manager: DUBOIS	<b>961 MAIN STREET</b>	<b>1 - 2 NNE</b>	<b>48</b>	<b>55</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>KENTUCKY FRIED CHICKEN</b> Project Manager: CLOSED	<b>4 HILLSIDE AVE</b>	<b>1/2 - 1 W</b>	<b>40</b>	<b>44</b>
<b>NORGE VILLAGE LAUNDRY</b> Project Manager: UNASSIGNED	<b>IGA PLAZA 19 PLEASANT S</b>	<b>1/2 - 1 WSW</b>	<b>47</b>	<b>54</b>

**NH ALLSITES:** Provides information on sites in New Hampshire, with activities that either have resulted in groundwater contamination or pose a potential hazard to groundwater supplies. The regulated activities and groundwater hazards include: confirmed releases of oil or hazardous materials to the soil and/or groundwater as a result of discharges, spills, and removal of underground storage tanks; underground injection wells such as floor drains, leaching galleries, and septic systems anything other than domestic wastewater; large discharges of wastewater such as domestic wastewater septic systems which are designed to discharge more than 20,000 gpd, land application of wastewater treatment facility effluent (spray irrigation, rapid infiltration rapid infiltration basins, etc.) and unlined septage and wastewater lagoons; unpermitted hazardous waste storage facilities; landfills and other waste repositories in which groundwater quality is at risk.

A review of the ALLSITES list, as provided by EDR, and dated 06/21/2006 has revealed that there are 20 ALLSITES sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CUMBERLAND FARMS 2835</b> Project Manager: CLOSED Project Manager: CLOSED	<b>173 MAIN ST</b>	<b>1/8 - 1/4N</b>	<b>A7</b>	<b>9</b>
<b>BLANCHETTE'S GARAGE</b> Project Manager: KIRBY	<b>300 COOS ST</b>	<b>1/4 - 1/2SSE</b>	<b>B10</b>	<b>12</b>
<b>BERLIN FIRE STATION</b> Project Manager: CLOSED	<b>263 MAIN ST</b>	<b>1/4 - 1/2NNE</b>	<b>C13</b>	<b>15</b>
<b>ALBERT PROPERTY</b> Project Manager: CLOSED	<b>554 HILLSBORO STREET</b>	<b>1/4 - 1/2SSW</b>	<b>15</b>	<b>16</b>
<b>LEON'S GARAGE</b> Project Manager: BLEDSOE	<b>325 MAIN STREET</b>	<b>1/4 - 1/2NNE</b>	<b>C20</b>	<b>20</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>NEW ENGLAND TELEPHONE CO</b> Project Manager: CLOSED	<b>RTE 2</b>	<b>1/4 - 1/2 WNW E23</b>		<b>27</b>
REED PROPERTY Project Manager: CLOSED	88 HIGH STREET	1/4 - 1/2 WNW E29		31
PERRY RESIDENCE Project Manager: CLOSED	446 DERRAH STREET	1/4 - 1/2 ESE 34		38
RANSFORD LOVELY Project Manager: CLOSED	292 HILLSBORO STREET	1/2 - 1 SSW 35		38
<b>PORTLAND GLASS</b> Project Manager: CLOSED Project Manager: CLOSED	<b>569 MAIN STREET</b>	<b>1/2 - 1 NNE 39</b>		<b>44</b>
<b>CHLOR ALKALI FACILITY (CROWN</b> Project Manager: PERMITS-RELEASE DET. Project Manager: CLOSED	<b>650 MAIN ST</b>	<b>1/2 - 1 NNE 42</b>		<b>45</b>
TAMMY JUDSON RESIDENCE Project Manager: CLOSED	473 FORBUSH AVENUE	1/2 - 1 ESE 143		53
SUSAN JOHNSON Project Manager: CLOSED	559 FORBUSH AVENUE	1/2 - 1 ESE 146		53
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CN BROWN BERLIN BULK PLANT</b> Project Manager: CLOSED	<b>120 E MASON ST</b>	<b>1/4 - 1/2 SSW D17</b>		<b>17</b>
PSNH UPPER HYDRO OFFICE Project Manager: REGISTRATION Project Manager: CLOSED	194 SCHOOL STREET	1/4 - 1/2 W F26		30
<b>SCORPION DISTRIBUTION</b> Project Manager: CLOSED	<b>51 WILLOW ST</b>	<b>1/2 - 1 W H37</b>		<b>42</b>
<b>BERLIN PRECHLORINATION FACILITY</b> Project Manager: CLOSED	<b>55 WILLOW ST</b>	<b>1/2 - 1 W H38</b>		<b>43</b>
<b>KENTUCKY FRIED CHICKEN</b> Project Manager: CLOSED	<b>4 HILLSIDE AVE</b>	<b>1/2 - 1 W 40</b>		<b>44</b>
<b>ST. LAWRENCE &amp; ATLANTIC RAILROAD</b> Project Manager: CLOSED	<b>30 EXCHANGE STREET</b>	<b>1/2 - 1 WSW 41</b>		<b>44</b>
APARTMENT BUILDING Project Manager: GALUSZKA	212 WILLOW STREET	1/2 - 1 WNW 44		53

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Services' LUST Sites Summary Report.

A review of the LUST list, as provided by EDR, and dated 06/21/2006 has revealed that there are 6 LUST sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CUMBERLAND FARMS 2835</b> Project Manager: CLOSED	<b>173 MAIN ST</b>	<b>1/8 - 1/4 N A7</b>		<b>9</b>
<b>BLANCHETTE'S GARAGE</b> Project Manager: KIRBY	<b>300 COOS ST</b>	<b>1/4 - 1/2 SSE B10</b>		<b>12</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>BERLIN FIRE STATION</b> Project Manager: CLOSED	<b>263 MAIN ST</b>	<b>1/4 - 1/2 NNE</b>	<b>C13</b>	<b>15</b>
<b>LEON'S GARAGE</b> Project Manager: BLED SOE	<b>325 MAIN STREET</b>	<b>1/4 - 1/2 NNE</b>	<b>C20</b>	<b>20</b>
<b>NEW ENGLAND TELEPHONE CO</b> Project Manager: CLOSED	<b>RTE 2</b>	<b>1/4 - 1/2 WNW</b>	<b>E23</b>	<b>27</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SCORPION DISTRIBUTION</b> Project Manager: CLOSED	<b>51 WILLOW ST</b>	<b>1/2 - 1 W</b>	<b>H37</b>	<b>42</b>

**UST:** The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Services' list: Underground Storage Tank Registration Data.

A review of the UST list, as provided by EDR, and dated 06/21/2006 has revealed that there are 13 UST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SAMS VARIETY	199 COOS ST	1/8 - 1/4 SSE	2	6
TRI COUNTY COMMUNITY ACTION	121 MAIN ST	1/8 - 1/4 N	A3	7
CITY HALL	168 MAIN ST	1/8 - 1/4 N	A6	8
<b>CUMBERLAND FARMS 2835</b>	<b>173 MAIN ST</b>	<b>1/8 - 1/4 N</b>	<b>A7</b>	<b>9</b>
GUARDIAN ANGEL PARISH	593 SULLIVAN ST	1/4 - 1/2 S	9	11
<b>BLANCHETTE'S GARAGE</b>	<b>300 COOS ST</b>	<b>1/4 - 1/2 SSE</b>	<b>B10</b>	<b>12</b>
MET LIFE BUILDING	255 MAIN ST	1/4 - 1/2 NNE	C12	14
<b>BERLIN FIRE STATION</b>	<b>263 MAIN ST</b>	<b>1/4 - 1/2 NNE</b>	<b>C13</b>	<b>15</b>
ST ANNES CHURCH	58 CHURCH ST	1/4 - 1/2 WNW	16	17
<b>LEON'S GARAGE</b>	<b>325 MAIN STREET</b>	<b>1/4 - 1/2 NNE</b>	<b>C20</b>	<b>20</b>
<b>NEW ENGLAND TELEPHONE CO</b>	<b>RTE 2</b>	<b>1/4 - 1/2 WNW</b>	<b>E23</b>	<b>27</b>
ST BARNABAS CHURCH	85 HIGH ST	1/4 - 1/2 WNW	E24	29
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BERLIN FOUNDRY & MACHINE CO	489 GOBEL ST	1/4 - 1/2 SW	G31	33

**LAST:** The Leaking Aboveground Storage Tank database.

A review of the LAST list, as provided by EDR, and dated 06/21/2006 has revealed that there is 1 LAST site within approximately 0.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CN BROWN BERLIN BULK PLANT</b> Project Manager: CLOSED	<b>120 E MASON ST</b>	<b>1/4 - 1/2 SSW</b>	<b>D17</b>	<b>17</b>

## EXECUTIVE SUMMARY

**AST:** The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Services' list: Aboveground Storage Tank Registration Data.

A review of the AST list, as provided by EDR, and dated 06/21/2006 has revealed that there are 2 AST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
TREMAINE OPTICIANS	148 MAIN ST	1/8 - 1/4 N	A4	7
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CN BROWN BERLIN BULK PLANT</b>	<b>120 E MASON ST</b>	<b>1/4 - 1/2 SSW</b>	<b>D17</b>	<b>17</b>

**BROWNFIELDS:** Sites that have benefited from one or more brownfields initiative.

A review of the BROWNFIELDS list, as provided by EDR, and dated 05/26/2006 has revealed that there is 1 BROWNFIELDS site within approximately 0.75 miles of the target property.

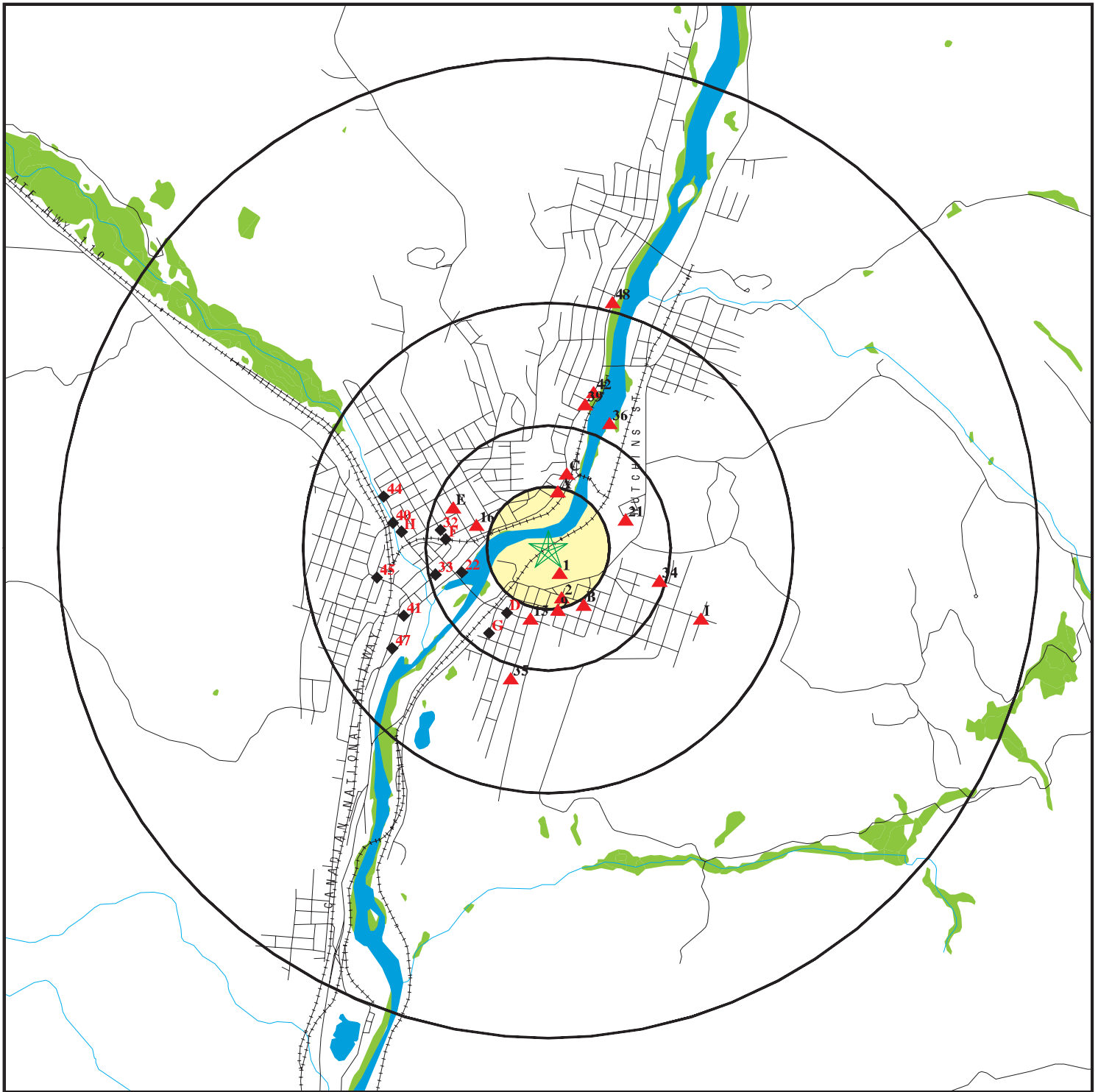
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>KENTUCKY FRIED CHICKEN</b>	<b>4 HILLSIDE AVE</b>	<b>1/2 - 1 W</b>	<b>40</b>	<b>44</b>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
28 SPRING STREET A3	LEAD
DUMMER YARD LANDFILL	SWF/LF
NOTRE DAME ARENA	LUST, UST, ALLSITES
REDS MOBIL	FINDS, LUST
DUCKYS MINI MART	UST
ST KIERANS CHURCH	UST
BURGESS SCHOOL	UST, BROWNFIELDS, ALLSITES
BERLIN UNITY ST IRVING BULK	UST, AST, ALLSITES
LOWES SERVICE STATION	UST
PSNH COMMUNITY ST SUBSTATION	AST
CAR FRESHNER CORP	RCRA-SQG, FINDS
TRIUMVIRATE ENV SVCS INC	RCRA-SQG
PETERS GAY	RCRA-SQG
JOHNSON FUEL SERVICE	RCRA-SQG
NEW ENGLAND TELEPHONE CO	RCRA-SQG
NOTRE DAME HOCKEY ARENA	RCRA-SQG
ISAACSON CONTAINER INC	RCRA-SQG, FINDS
NH DES WMD	RCRA-SQG
FRASER NH LLC	RCRA-SQG
COSTELLO LEON CO	RCRA-SQG
WASTE MANAGEMENT OF NH INC	RCRA-SQG
GRAND VIEW AUTO BODY	RCRA-SQG, FINDS
LOWES SERVICE STATION	RCRA-SQG
STATE OF NEW HAMPSHIRE	ALLSITES
DUMMER YARD LANDFILL - JAMES RIVER	ALLSITES
BERLIN TOWN LANDFILL I	ALLSITES
CASCADE MILL ON MAIN ST. 2 MILES S	ERNS
BURGESS PULP MILL	TSCA
P & L AUTO PARTS INC	ICIS
FRASER NH LLC	ICIS
PULP & PAPER OF AMERICA LLC	ICIS

# OVERVIEW MAP - 1750448.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Landfill Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Oil & Gas pipelines

■ National Wetland Inventory

■ State Wetlands

0 1/2 1 2 Miles

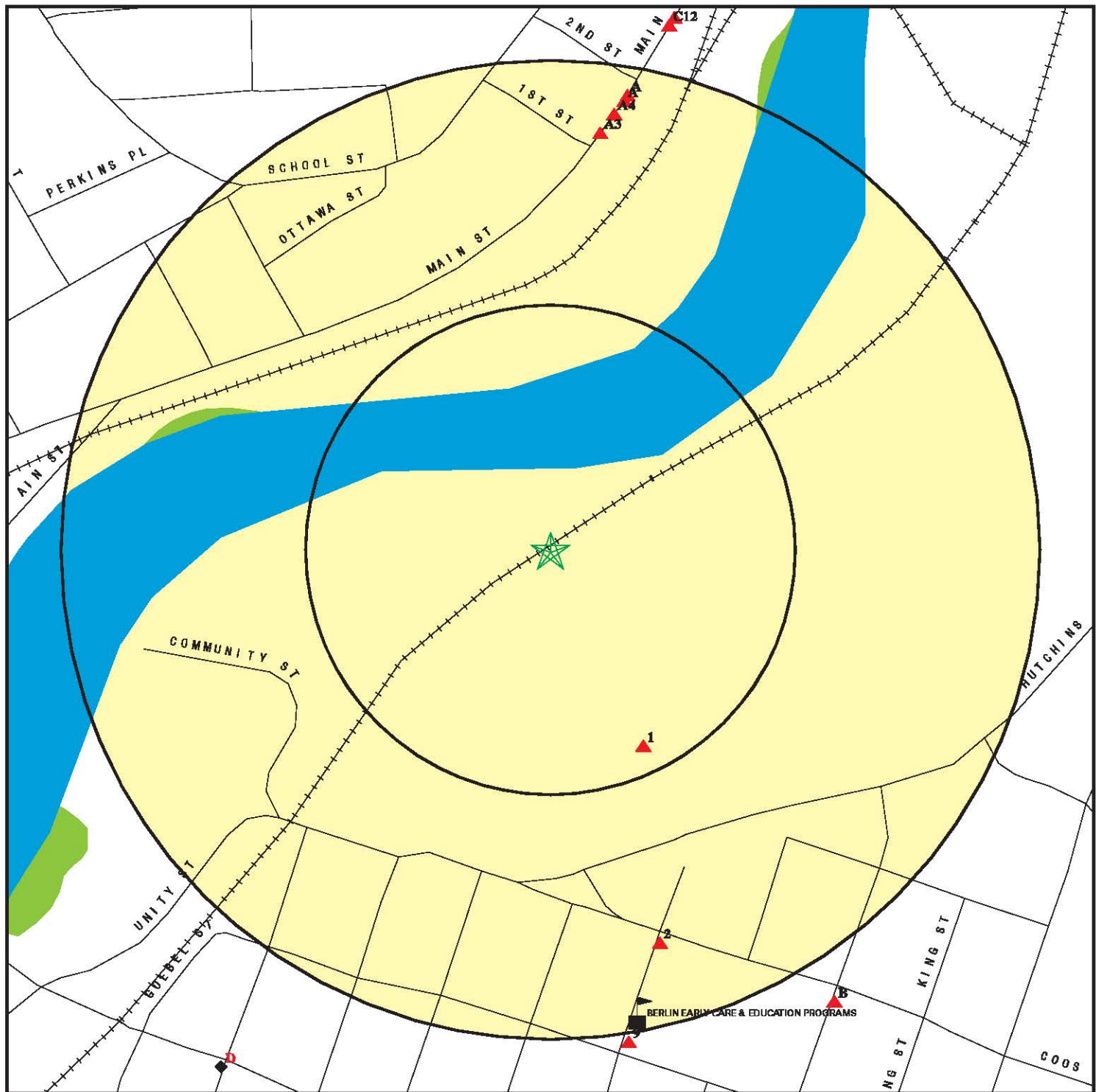
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Burgess Mill  
ADDRESS: Unity Street/Huchins Street  
Berlin NH 03570  
LAT/LONG: 44.4717 / 71.1722

CLIENT: Haley & Aldrich, Inc.  
CONTACT: Katharine North  
INQUIRY #: 1750448.2s  
DATE: September 07, 2006 1:32 pm



# DETAIL MAP - 1750448.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ▲ Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Burgess Mill  
 ADDRESS: Unity Street/Hutchins Street  
 Berlin NH 03570  
 LAT/LONG: 44.4717 / 71.1722

CLIENT: Haley & Aldrich, Inc.  
 CONTACT: Katharine North  
 INQUIRY #: 1750448.2s  
 DATE: September 07, 2006 1:32 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.250	0	0	0	1	0	1
Proposed NPL		1.250	0	0	0	1	0	1
Delisted NPL		1.250	0	0	0	0	0	0
NPL RECOVERY		0.250	0	0	NR	NR	NR	0
CERCLIS		0.750	0	0	0	1	NR	1
CERC-NFRAP		0.750	0	0	0	0	NR	0
CORRACTS		1.250	0	0	0	0	0	0
RCRA TSD		0.750	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.500	0	0	0	NR	NR	0
RCRA Sm. Quan. Gen.		0.500	0	1	13	NR	NR	14
ERNS		0.250	0	0	NR	NR	NR	0
HMIRS		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		0.750	0	0	0	0	NR	0
US INST CONTROL		0.750	0	0	0	0	NR	0
DOD		1.250	0	0	0	0	0	0
FUDS		1.250	0	0	0	0	0	0
US BROWNFIELDS		0.750	1	0	0	1	NR	2
CONSENT		1.250	0	0	0	0	0	0
ROD		1.250	0	0	0	0	0	0
UMTRA		0.750	0	0	0	0	NR	0
ODI		0.750	0	0	0	0	NR	0
TRIS		0.250	0	0	NR	NR	NR	0
TSCA		0.250	0	0	NR	NR	NR	0
FTTS		0.250	0	0	NR	NR	NR	0
SSTS		0.250	0	0	NR	NR	NR	0
ICIS		0.250	0	0	NR	NR	NR	0
PADS		0.250	0	0	NR	NR	NR	0
MLTS		0.250	0	0	NR	NR	NR	0
MINES		0.500	0	0	0	NR	NR	0
FINDS		0.250	0	2	NR	NR	NR	2
RAATS		0.250	0	0	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
State Haz. Waste		1.250	0	1	0	3	1	5
ALLSITES		0.750	0	1	9	10	NR	20
State Landfill		0.750	0	0	0	0	NR	0
LUST		0.750	0	1	4	1	NR	6
UST		0.500	0	4	9	NR	NR	13
LAST		0.750	0	0	1	0	NR	1
AST		0.500	0	1	1	NR	NR	2
NH Spills		0.250	0	0	NR	NR	NR	0
Inst Control		0.750	0	0	0	0	NR	0
VCP		0.750	0	0	0	0	NR	0
DRYCLEANERS		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.750	0	0	0	1	NR	1
NPDES		0.250	0	0	NR	NR	NR	0
LEAD		0.250	0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.250	0	0	0	0	0	0
INDIAN LUST		0.750	0	0	0	0	NR	0
INDIAN UST		0.500	0	0	0	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.250	0	0	0	0	0	0

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1**  
**SSE**  
**< 1/8**  
**585 ft.**

**DUMMER YARD**  
**NEAR HUTCHINS STREET**  
**BERLIN, NH 03570**

**US BROWNFIELDS**

**1009309721**  
**N/A**

**Relative:**  
**Higher**

US BROWNFIELDS:

Pilot Name: North Country Council, NH (A04)  
EPA ID: Not reported  
Latitude: 44.47025  
Longitude: -71.17124  
Assessment: Not reported

**Actual:**  
**1075 ft.**

**2**  
**SSE**  
**1/8-1/4**  
**1099 ft.**

**SAMS VARIETY**  
**199 COOS ST**  
**BERLIN, NH 03570**

**UST**

**U003083343**  
**N/A**

**Relative:**  
**Higher**

UST:

Lust Tracking Number: 198605558  
Facility ID: 0118033  
Owner Name: RICHARD E GARNEAU  
Owner Address: 199 COOS ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: Gasoline.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1980-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1986-08-01 00:00:00  
Permanent Closure Analysis: Not reported

**Actual:**  
**1086 ft.**

Lust Tracking Number: 198605558  
Facility ID: 0118033  
Owner Name: RICHARD E GARNEAU  
Owner Address: 199 COOS ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 2  
Chemical: Gasoline.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1980-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1986-08-01 00:00:00  
Permanent Closure Analysis: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A3**  
**North**  
**1/8-1/4**  
**1133 ft.**

**TRI COUNTY COMMUNITY ACTION**  
**121 MAIN ST**  
**BERLIN, NH 03570**

**UST** **U003083210**  
**N/A**

**Relative:**  
**Higher**

**Site 1 of 6 in cluster A**

UST:

**Actual:**  
**1095 ft.**

Lust Tracking Number: 198709032  
Facility ID: 0111444  
Owner Name: TRI COUNTY COMMUNITY ACTION  
Owner Address: 30 EXCHANGE ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 10000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: Not reported  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Filled In Place  
Close Date: Not reported  
Permanent Closure: 1999-05-21 00:00:00  
Permanent Closure Analysis: 1999-06-30 00:00:00

**A4**  
**North**  
**1/8-1/4**  
**1188 ft.**

**TREMAINE OPTICIANS**  
**148 MAIN ST**  
**BERLIN, NH**

**AST** **A100228037**  
**N/A**

**Relative:**  
**Higher**

**Site 2 of 6 in cluster A**

AST:

**Actual:**  
**1095 ft.**

Facility ID: 950271A  
desno: 199502071  
Tank Capacity: 1000  
Tank Number: 1  
Chemical Stored: #2 HEATING OIL  
Install Date: Not reported  
Owner: TREMAINE OPTICIANS  
Manager: RICHARD TREMAINE  
Manager Phone: bob-o-

**A5**  
**North**  
**1/8-1/4**  
**1215 ft.**

**SHERWIN WILLIAMS CO**  
**162 MAIN ST**  
**BERLIN, NH 03570**

**RCRA-SQG** **1000832637**  
**FINDS** **NHD000791277**

**Relative:**  
**Higher**

**Site 3 of 6 in cluster A**

**Actual:**  
**1094 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**SHERWIN WILLIAMS CO (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000832637**

RCRAInfo:

Owner: SHERWIN WILLIAMS  
(603) 555-1212

EPA ID: NHD000791277

Contact: H-B WILLIAMS-JR  
(603) 555-1212

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**A6  
North  
1/8-1/4  
1227 ft.**

**CITY HALL  
168 MAIN ST  
BERLIN, NH 03570**

**UST U000348198  
N/A**

**Site 4 of 6 in cluster A**

**Relative:  
Higher**

UST:

**Actual:  
1094 ft.**

Lust Tracking Number: 198605172  
Facility ID: 0111624  
Owner Name: CITY OF BERLIN  
Owner Address: 168 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 6670  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: 1964-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Filled In Place  
Close Date: Not reported  
Permanent Closure: 1992-08-19 00:00:00  
Permanent Closure Analysis: 1992-12-22 00:00:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A7**  
**North**  
**1/8-1/4**  
**1236 ft.**

**CUMBERLAND FARMS 2835**  
**173 MAIN ST**  
**BERLIN, NH 03570**

**SHWS**  
**LUST**  
**UST**  
**ALLSITES**

**U003187473**  
**N/A**

**Relative:**  
**Higher**

**Site 5 of 6 in cluster A**

SHWS:

Facility ID: 199309002  
Proj Type: HAZWASTE  
**Project Manager: CLOSED**  
No. of Permits: 0

**Actual:**  
**1094 ft.**

LUST:

Facility ID: 199309002  
Project Type: LUST  
**Project Mngr: CLOSED**  
No. of Permits: 0

UST:

Lust Tracking Number: 199309002  
Facility ID: 0111511  
Owner Name: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
Owner City,St,Zip: CANTON, MA 02021  
Tank ID: 1  
Chemical: Gasoline.  
Capacity (gal): 10000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1971-01-01 00:00:00  
Last Test: 1991-09-24 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1993-07-08 00:00:00  
Permanent Closure Analysis: 1993-07-30 00:00:00

Lust Tracking Number: 199309002  
Facility ID: 0111511  
Owner Name: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
Owner City,St,Zip: CANTON, MA 02021  
Tank ID: 4  
Chemical: Used oil  
Capacity (gal): 550  
Type of Tank Construction: Unknown  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: Not reported  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CUMBERLAND FARMS 2835 (Continued)**

**U003187473**

Permanent Closure: 1994-07-14 00:00:00  
Permanent Closure Analysis: 1995-05-31 00:00:00

Lust Tracking Number: 199309002  
Facility ID: 0111511  
Owner Name: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
Owner City,St,Zip: CANTON, MA 02021  
Tank ID: 5  
Chemical: #2 heating oil.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: Not reported  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1994-07-14 00:00:00  
Permanent Closure Analysis: 1995-05-31 00:00:00

Lust Tracking Number: 199309002  
Facility ID: 0111511  
Owner Name: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
Owner City,St,Zip: CANTON, MA 02021  
Tank ID: 2  
Chemical: Gasoline.  
Capacity (gal): 10000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1971-01-01 00:00:00  
Last Test: 1991-09-24 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1993-07-08 00:00:00  
Permanent Closure Analysis: 1993-07-30 00:00:00

Lust Tracking Number: 199309002  
Facility ID: 0111511  
Owner Name: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
Owner City,St,Zip: CANTON, MA 02021  
Tank ID: 3  
Chemical: Gasoline.  
Capacity (gal): 10000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1971-01-01 00:00:00



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**CUMBERLAND FARMS 2835 (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003187473**

Last Test: 1991-09-24 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1993-07-08 00:00:00  
Permanent Closure Analysis: 1993-07-30 00:00:00

**ALLSITES:**

Facility ID: 199309002  
Project Type: LUST  
**Project Manager: CLOSED**  
Num of Permits: 0

Facility ID: 199309002  
Project Type: HAZWASTE  
**Project Manager: CLOSED**  
Num of Permits: 0

**A8**  
**North**  
**1/8-1/4**  
**1244 ft.**

**177 MAIN ST. BERLIN NH**  
**BERLIN, NH**

**FINDS** **1008221151**  
**110020926881**

**Relative:**  
**Higher**

**Site 6 of 6 in cluster A**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site:  
Aerometric Information Retrieval System/Air Quality System

**Actual:**  
**1094 ft.**

**9**  
**South**  
**1/4-1/2**  
**1342 ft.**

**GUARDIAN ANGEL PARISH**  
**593 SULLIVAN ST**  
**BERLIN, NH 03570**

**UST** **U001556514**  
**N/A**

**Relative:**  
**Higher**

**UST:**  
Lust Tracking Number: 198605250  
Facility ID: 0111976  
Owner Name: DIOCESE OF MANCHESTER  
Owner Address: PO BOX 310  
Owner City,St,Zip: MANCHESTER, NH 03105  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 10000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Copper  
Install Date: 1967-06-22 00:00:00  
Last Test: 1987-08-21 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1994-09-29 00:00:00  
Permanent Closure Analysis: 1994-10-26 00:00:00

**Actual:**  
**1096 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GUARDIAN ANGEL PARISH (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U001556514**

Lust Tracking Number: 198605250  
Facility ID: 0111976  
Owner Name: DIOCESE OF MANCHESTER  
Owner Address: PO BOX 310  
Owner City,St,Zip: MANCHESTER, NH 03105  
Tank ID: 2  
Chemical: #2 heating oil.  
Capacity (gal): 6000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Copper  
Install Date: 1960-01-01 00:00:00  
Last Test: 1987-08-21 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1987-10-05 00:00:00  
Permanent Closure Analysis: Not reported

**B10**  
**SSE**  
**1/4-1/2**  
**1437 ft.**

**BLANCHETTE'S GARAGE**  
**300 COOS ST**  
**BERLIN, NH 03570**

**LUST**  
**UST**  
**ALLSITES**

**U001556670**  
**N/A**

**Site 1 of 2 in cluster B**

**Relative:**  
**Higher**

**LUST:**  
Facility ID: 198904028  
Project Type: LUST  
**Project Mngr: KIRBY**  
No. of Permits: 1

**Actual:**  
**1107 ft.**

**UST:**  
Lust Tracking Number: 198904028  
Facility ID: 0112288  
Owner Name: BLANCHETTES GARAGE INC  
Owner Address: 300 COOS ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: Gasoline.  
Capacity (gal): 4000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1979-01-01 00:00:00  
Last Test: 1988-02-09 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1994-06-03 00:00:00  
Permanent Closure Analysis: 1994-06-29 00:00:00

Lust Tracking Number: 198904028  
Facility ID: 0112288

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**BLANCHETTE'S GARAGE (Continued)**

**U001556670**

Owner Name: BLANCHETTES GARAGE INC  
Owner Address: 300 COOS ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 2  
Chemical: Gasoline.  
Capacity (gal): 4000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1976-01-01 00:00:00  
Last Test: 1988-02-09 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1994-06-03 00:00:00  
Permanent Closure Analysis: 1994-06-29 00:00:00

Lust Tracking Number: 198904028  
Facility ID: 0112288  
Owner Name: BLANCHETTES GARAGE INC  
Owner Address: 300 COOS ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 3  
Chemical: Gasoline.  
Capacity (gal): 2000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: Not reported  
Last Test: 1988-02-10 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1988-10-01 00:00:00  
Permanent Closure Analysis: Not reported

Lust Tracking Number: 198904028  
Facility ID: 0112288  
Owner Name: BLANCHETTES GARAGE INC  
Owner Address: 300 COOS ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 4  
Chemical: Diesel.  
Capacity (gal): 10000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: Not reported  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BLANCHETTE'S GARAGE (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U001556670**

Close Date: Not reported  
Permanent Closure: 1988-10-01 00:00:00  
Permanent Closure Analysis: Not reported  
  
Lust Tracking Number: 198904028  
Facility ID: 0112288  
Owner Name: BLANCHETTES GARAGE INC  
Owner Address: 300 COOS ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 5  
Chemical: Gasoline.  
Capacity (gal): 3000  
Type of Tank Construction: Steel, corrosion protected  
Double Wall Construction: Yes  
Type of Pipe Construction: Fiberglass  
Install Date: 1988-10-11 00:00:00  
Last Test: Not reported  
Spill Installed: 1988-10-11 00:00:00  
Overfill: 1988-10-11 00:00:00  
Line Leak Detection: Not reported  
Closure Type: Not reported  
Close Date: 2005-11-10 00:00:00  
Permanent Closure: Not reported  
Permanent Closure Analysis: Not reported

**ALLSITES:**

Facility ID: 198904028  
Project Type: LUST  
**Project Manager: KIRBY**  
Num of Permits: 1

**B11**  
**SSE**  
**1/4-1/2**  
**1437 ft.**

**BLANCHETTE GARAGE**  
**300 COOS ST**  
**BERLIN, NH 03570**

**RCRA-SQG** **1008889317**  
**NHD510150253**

**Site 2 of 2 in cluster B**

**Relative:**  
**Higher**

RCRAInfo:  
Contact: NONE  
(603) 752-4750

**Actual:**  
**1107 ft.**

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
  
Violation Status: No violations found

**C12**  
**NNE**  
**1/4-1/2**  
**1451 ft.**

**MET LIFE BUILDING**  
**255 MAIN ST**  
**BERLIN, NH 03570**

**UST** **U001555801**  
**N/A**

**Site 1 of 5 in cluster C**

**Relative:**  
**Higher**

UST:  
Lust Tracking Number: 199101070  
Facility ID: 0110700  
Owner Name: THERESE ROUSSEAU  
Owner Address: 150 ENMAN HILL RD

**Actual:**  
**1093 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**MET LIFE BUILDING (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U001555801**

Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 10000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1978-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Filled In Place  
Close Date: Not reported  
Permanent Closure: 1992-05-12 00:00:00  
Permanent Closure Analysis: 1992-08-25 00:00:00

**C13**  
**NNE**  
**1/4-1/2**  
**1475 ft.**

**BERLIN FIRE STATION**  
**263 MAIN ST**  
**BERLIN, NH**

**LUST** **U003888678**  
**UST** **N/A**  
**ALLSITES**

**Relative:**  
**Higher**

**Site 2 of 5 in cluster C**

**Actual:**  
**1093 ft.**

LUST:  
Facility ID: 200301004  
Project Type: LUST  
**Project Mngr: CLOSED**  
No. of Permits: 0

UST:  
Lust Tracking Number: 200301004  
Facility ID: 0115557  
Owner Name: BERLIN FIRE STATION  
Owner Address: 263 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: #4 heating oil.  
Capacity (gal): 10000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: Not reported  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 2002-11-07 00:00:00  
Permanent Closure Analysis: 2003-01-03 00:00:00

Lust Tracking Number: 200301004  
Facility ID: 0115557  
Owner Name: BERLIN FIRE STATION  
Owner Address: 263 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 2

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BERLIN FIRE STATION (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003888678**

Chemical: Gasoline.  
Capacity (gal): 550  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: Not reported  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 2002-11-07 00:00:00  
Permanent Closure Analysis: 2003-01-03 00:00:00

**ALLSITES:**

Facility ID: 200301004  
Project Type: LUST  
**Project Manager: CLOSED**  
Num of Permits: 0

**C14**  
**NNE**  
**1/4-1/2**  
**1475 ft.**

**BERLIN FIRE DEPT CITY OF**  
**263 MAIN ST**  
**BERLIN, NH 03570**

**RCRA-SQG 1008890647**  
**NHD510177074**

**Site 3 of 5 in cluster C**

**Relative:**  
**Higher**

RCRAInfo:  
Contact: RANDY TRULL  
(603) 752-3153  
  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
  
Violation Status: No violations found

**Actual:**  
**1093 ft.**

**15**  
**SSW**  
**1/4-1/2**  
**1564 ft.**

**ALBERT PROPERTY**  
**554 HILLSBORO STREET**  
**BERLIN, NH**

**ALLSITES S105770922**  
**N/A**

**Relative:**  
**Equal**

**ALLSITES:**  
Facility ID: 199608019  
Project Type: OPUF  
**Project Manager: CLOSED**  
Num of Permits: 0

**Actual:**  
**1059 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

16  
WNW  
1/4-1/2  
1622 ft.

**ST ANNES CHURCH**  
**58 CHURCH ST**  
**BERLIN, NH 03570**

**UST** **U000348978**  
**N/A**

**Relative:**  
**Higher**

UST:

**Actual:**  
**1069 ft.**

Lust Tracking Number: 198605369  
Facility ID: 0112494  
Owner Name: DIOCESE OF MANCHESTER  
Owner Address: PO BOX 310  
Owner City,St,Zip: MANCHESTER, NH 03105  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 5500  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1969-01-01 00:00:00  
Last Test: 1988-05-10 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1990-04-30 00:00:00  
Permanent Closure Analysis: Not reported

Lust Tracking Number: 198605369  
Facility ID: 0112494  
Owner Name: DIOCESE OF MANCHESTER  
Owner Address: PO BOX 310  
Owner City,St,Zip: MANCHESTER, NH 03105  
Tank ID: 2  
Chemical: #2 heating oil.  
Capacity (gal): 5500  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1969-01-01 00:00:00  
Last Test: 1988-05-10 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1990-04-30 00:00:00  
Permanent Closure Analysis: Not reported

D17  
SSW  
1/4-1/2  
1653 ft.

**CN BROWN BERLIN BULK PLANT**  
**120 E MASON ST**  
**BERLIN, NH**

**AST** **S105421785**  
**LAST** **N/A**  
**ALLSITES**

**Site 1 of 2 in cluster D**

**Relative:**  
**Lower**

AST:

**Actual:**  
**1041 ft.**

Facility ID: 940633A  
desno: 199406033  
Tank Capacity: 15000  
Tank Number: 7  
Chemical Stored: #2 HEATING OIL

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**CN BROWN BERLIN BULK PLANT (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S105421785**

Install Date: 1/1/1988  
Owner: C N BROWN CO  
Manager: KEVIN MOORE  
Manager Phone: 207-743-9212

Facility ID: 940633A  
desno: 199406033  
Tank Capacity: 15000  
Tank Number: 6  
Chemical Stored: #2 HEATING OIL  
Install Date: 1/1/1988  
Owner: C N BROWN CO  
Manager: KEVIN MOORE  
Manager Phone: 207-743-9212

Facility ID: 940633A  
desno: 199406033  
Tank Capacity: 275  
Tank Number: 8  
Chemical Stored: OTHER  
Install Date: 1/1/1988  
Owner: C N BROWN CO  
Manager: KEVIN MOORE  
Manager Phone: 207-743-9212

Facility ID: 940633A  
desno: 199406033  
Tank Capacity: 10000  
Tank Number: 5  
Chemical Stored: KEROSENE  
Install Date: 1/1/1988  
Owner: C N BROWN CO  
Manager: KEVIN MOORE  
Manager Phone: 207-743-9212

Facility ID: 940633A  
desno: 199406033  
Tank Capacity: 10000  
Tank Number: 2  
Chemical Stored: GASOLINE  
Install Date: 1/1/1988  
Owner: C N BROWN CO  
Manager: KEVIN MOORE  
Manager Phone: 207-743-9212

Facility ID: 940633A  
desno: 199406033  
Tank Capacity: 10000  
Tank Number: 1  
Chemical Stored: GASOLINE  
Install Date: 1/1/1988  
Owner: C N BROWN CO  
Manager: KEVIN MOORE  
Manager Phone: 207-743-9212

Facility ID: 940633A  
desno: 199406033



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CN BROWN BERLIN BULK PLANT (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S105421785

Tank Capacity: 10000  
Tank Number: 3  
Chemical Stored: GASOLINE  
Install Date: 1/1/1988  
Owner: C N BROWN CO  
Manager: KEVIN MOORE  
Manager Phone: 207-743-9212

Facility ID: 940633A  
desno: 199406033  
Tank Capacity: 10000  
Tank Number: 4  
Chemical Stored: DIESEL  
Install Date: 1/1/1988  
Owner: C N BROWN CO  
Manager: KEVIN MOORE  
Manager Phone: 207-743-9212

LAST:

Facility ID: 199406033  
Project Type: LAST  
**Project Manager:CLOSED**  
No. of Permits: 0

ALLSITES:

Facility ID: 199406033  
Project Type: LAST  
**Project Manager:CLOSED**  
Num of Permits: 0

D18  
SSW  
1/4-1/2  
1653 ft.

C N BROWN  
120 E MASON ST  
BERLIN, NH 03570

RCRA-SQG 1008890799  
NHD510179385

Site 2 of 2 in cluster D

Relative:  
Lower

RCRAInfo:  
Contact: KEVIN MOORE  
(800) 432-4211  
  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
  
Violation Status: No violations found

Actual:  
1041 ft.

C19  
NNE  
1/4-1/2  
1661 ft.

LEONS GARAGE  
325 MAIN ST  
BERLIN, NH 03570

RCRA-SQG 1008891073  
NHD510182801

Site 4 of 5 in cluster C

Relative:  
Higher

Actual:  
1093 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**LEONS GARAGE (Continued)**

EDR ID Number  
EPA ID Number

**1008891073**

RCRAInfo:

Contact: STEVE CROCHE  
(603) 271-2229

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**C20  
NNE  
1/4-1/2  
1661 ft.**

**LEON'S GARAGE  
325 MAIN STREET  
BERLIN, NH 03570**

**LUST  
UST  
ALLSITES**

**U003083345  
N/A**

**Site 5 of 5 in cluster C**

**Relative:  
Higher**

LUST:

**Actual:  
1093 ft.**

Facility ID: 199601016  
Project Type: LUST  
**Project Mngr: BLED SOE**  
No. of Permits: 0

UST:

Lust Tracking Number: 199601016  
Facility ID: 0220020  
Owner Name: ARTHUR J KING  
Owner Address: 3020 JERICHO RD  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: Gasoline.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: 1969-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: 1987-02-01 00:00:00  
Permanent Closure: 1995-11-02 00:00:00  
Permanent Closure Analysis: 1995-11-27 00:00:00

Lust Tracking Number: 199601016  
Facility ID: 0220020  
Owner Name: ARTHUR J KING  
Owner Address: 3020 JERICHO RD  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 2  
Chemical: Gasoline.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: 1969-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

LEON'S GARAGE (Continued)

EDR ID Number  
EPA ID Number

U003083345

Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: 1987-02-01 00:00:00  
Permanent Closure: 1995-11-02 00:00:00  
Permanent Closure Analysis: 1995-11-27 00:00:00

Lust Tracking Number: 199601016  
Facility ID: 0220020  
Owner Name: ARTHUR J KING  
Owner Address: 3020 JERICO RD  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 3  
Chemical: Empty  
Capacity (gal): 2000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: 1969-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: 1979-04-01 00:00:00  
Permanent Closure: 1995-11-02 00:00:00  
Permanent Closure Analysis: 1995-11-27 00:00:00

ALLSITES:

Facility ID: 199601016  
Project Type: LUST  
**Project Manager: BLED SOE**  
Num of Permits: 0

21  
ENE  
1/4-1/2  
1781 ft.

FRASER NH LLC  
UNITY ST  
BERLIN, NH 03570

PADS 1000221405  
RCRA-SQG NHD001079896  
RI MANIFEST  
NY MANIFEST  
CT MANIFEST

Relative:  
Higher

RCRAInfo:  
Owner: AMERICAN TISSUE CORP  
(516) 435-9000  
EPA ID: NHD001079896  
Contact: DAVID BOLSTRIDGE  
(603) 342-2361  
Classification: Small Quantity Generator  
TSDF Activities: Not reported

Actual:  
1113 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

FRASER NH LLC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000221405

Violation Status: Violations exist

Regulation Violated:	section 3005(a)
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	12/28/1993
Actual Date Achieved Compliance:	05/16/1995
Enforcement Action:	FINAL CONSENT DECREES
Enforcement Action Date:	05/16/1995
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL JUDICIAL ORDERS
Enforcement Action Date:	08/27/1996
Penalty Type:	Final Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/28/1989
Actual Date Achieved Compliance:	07/25/1991
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	01/04/1990
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/28/1989
Actual Date Achieved Compliance:	07/25/1991
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	01/04/1990
Penalty Type:	Not reported

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	5/16/1995	20000	EPA

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-LAND BAN REQUIREMENTS	19950516
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910725
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910725

RI MANIFEST:

Manifest Docket Number:	RIS0050057
Waste Description:	DIMETHYL AMINE
Quantity:	2.00
WT/Vol Units:	L
Item Number:	16574
Transporter Name:	21ST CENTURY ENV. MGT. INC.
Transporter EPA ID:	RID980906986
ID:	229676
GEN Cert Date:	12/8/2000 0:00:00
Transporter Recpt Date:	Not reported
Transporter 2 Recpt Date:	Not reported
TSDF Recpt Date:	Not reported
EPA ID:	NHD001079896
Number Of Containers:	0
Container Type:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

FRASER NH LLC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000221405

Waste Code1: U093  
Waste Code2: Not reported  
Waste Code3: Not reported  
Waste Code4: Not reported  
Waste Code5: Not reported  
Waste Code6: Not reported  
Comment: Not reported  
Fee Exempt Code: Not reported  
TSD Name: NORTHLAND ENVIRONMENTAL INC.  
TSD ID: RID040098352  
Data Source: MD-ELEC  
Date Imported: 4/13/2001 0:00:00  
Transporter 2 Name: Not reported  
Transporter 2 ID: Not reported  
Quantity in LBS.: 2  
Fee Reported: Not reported

Manifest Docket Number: RIS0050057  
Waste Description: DIMETHYL AMINE  
Quantity: 2.00  
WT/Vol Units: L  
Item Number: 7310  
Transporter Name: 21ST CENTURY ENV. MGT. INC.  
Transporter EPA ID: RID980906986  
ID: 229679  
GEN Cert Date: 12/8/2000 0:00:00  
Transporter Recpt Date: Not reported  
Transporter 2 Recpt Date: Not reported  
TSD Recpt Date: Not reported  
EPA ID: NHD001079896  
Number Of Containers: 0  
Container Type: Not reported  
Waste Code1: U093  
Waste Code2: Not reported  
Waste Code3: Not reported  
Waste Code4: Not reported  
Waste Code5: Not reported  
Waste Code6: Not reported  
Comment: Not reported  
Fee Exempt Code: Not reported  
TSD Name: NORTHLAND ENVIRONMENTAL INC.  
TSD ID: RID040098352  
Data Source: MD-ELEC  
Date Imported: 4/13/2001 0:00:00  
Transporter 2 Name: Not reported  
Transporter 2 ID: Not reported  
Quantity in LBS.: 2  
Fee Reported: Not reported

Manifest Docket Number: RIS0050057  
Waste Description: LEAD ACID BATTERIES  
Quantity: 250.00  
WT/Vol Units: L  
Item Number: 16575  
Transporter Name: 21ST CENTURY ENV. MGT. INC.  
Transporter EPA ID: RID980906986  
ID: 229680

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

FRASER NH LLC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000221405

GEN Cert Date: 12/8/2000 0:00:00  
Transporter Recpt Date: Not reported  
Transporter 2 Recpt Date: Not reported  
TSDf Recpt Date: Not reported  
EPA ID: NHD001079896  
Number Of Containers: 0  
Container Type: Not reported  
Waste Code1: NONE  
Waste Code2: Not reported  
Waste Code3: Not reported  
Waste Code4: Not reported  
Waste Code5: Not reported  
Waste Code6: Not reported  
Comment: Not reported  
Fee Exempt Code: Not reported  
TSDf Name: NORTHLAND ENVIRONMENTAL INC.  
TSDf ID: RID040098352  
Data Source: MD-ELEC  
Date Imported: 4/13/2001 0:00:00  
Transporter 2 Name: Not reported  
Transporter 2 ID: Not reported  
Quantity in LBS.: 250  
Fee Reported: Not reported

Manifest Docket Number: RIS0050057  
Waste Description: LEAD ACID BATTERIES  
Quantity: 250.00  
WT/Vol Units: L  
Item Number: 7311  
Transporter Name: 21ST CENTURY ENV. MGT. INC.  
Transporter EPA ID: RID980906986  
ID: 229678  
GEN Cert Date: 12/8/2000 0:00:00  
Transporter Recpt Date: Not reported  
Transporter 2 Recpt Date: Not reported  
TSDf Recpt Date: Not reported  
EPA ID: NHD001079896  
Number Of Containers: 0  
Container Type: Not reported  
Waste Code1: NONE  
Waste Code2: Not reported  
Waste Code3: Not reported  
Waste Code4: Not reported  
Waste Code5: Not reported  
Waste Code6: Not reported  
Comment: Not reported  
Fee Exempt Code: Not reported  
TSDf Name: NORTHLAND ENVIRONMENTAL INC.  
TSDf ID: RID040098352  
Data Source: MD-ELEC  
Date Imported: 4/13/2001 0:00:00  
Transporter 2 Name: Not reported  
Transporter 2 ID: Not reported  
Quantity in LBS.: 250  
Fee Reported: Not reported

Manifest Docket Number: RIS0050057

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**FRASER NH LLC (Continued)**

**1000221405**

Waste Description:            MATAALLIC MERCURY  
Quantity:                      100.00  
WT/Vol Units:                L  
Item Number:                 16576  
Transporter Name:            21ST CENTURY ENV. MGT. INC.  
Transporter EPA ID:         RID980906986  
ID:                              229675  
GEN Cert Date:               12/8/2000 0:00:00  
Transporter Recpt Date:     Not reported  
Transporter 2 Recpt Date:   Not reported  
TSDf Recpt Date:            Not reported  
EPA ID:                        NHD001079896  
Number Of Containers:      0  
Container Type:              Not reported  
Waste Code1:                D009  
Waste Code2:                Not reported  
Waste Code3:                Not reported  
Waste Code4:                Not reported  
Waste Code5:                Not reported  
Waste Code6:                Not reported  
Comment:                    Not reported  
Fee Exempt Code:            Not reported  
TSDf Name:                   NORTHLAND ENVIRONMENTAL INC.  
TSDf ID:                      RID040098352  
Data Source:                 MD-ELEC  
Date Imported:               4/13/2001 0:00:00  
Transporter 2 Name:         Not reported  
Transporter 2 ID:            Not reported  
Quantity in LBS.:            100  
Fee Reported:                Not reported

[Click this hyperlink](#) while viewing on your computer to access  
3 additional RI MANIFEST: record(s) in the EDR Site Report.

**NY MANIFEST:**

Document ID:                NYA6310323  
Manifest Status:            C  
Trans1 State ID:            R59279(NY)  
Trans2 State ID:            Not reported  
Generator Ship Date:       870520  
Trans1 Recv Date:          870520  
Trans2 Recv Date:          Not reported  
TSD Site Recv Date:       870522  
Part A Recv Date:          870529  
Part B Recv Date:          870529  
Generator EPA ID:          NHD001079896  
Trans1 EPA ID:              NYD049836679  
Trans2 EPA ID:              Not reported  
TSDf ID:                      NYD049836679  
Waste Code:                D007 - CHROMIUM 5.0 MG/L TCLP  
Quantity:                    41240  
Units:                        P - Pounds  
Number of Containers:      001  
Container Type:             DT - Dump trucks  
Handling Method:          L Landfill.  
Specific Gravity:            100

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**FRASER NH LLC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000221405**

Year: 87  
Facility Type: Generator  
EPA ID: NHD001079896  
Facility Name: JAMES RIVER CORP  
Facility Address: 650 MAIN ST  
Facility City: BERLIN  
Facility Zip 4: Not reported  
Country: Not reported  
County: Not reported  
Mailing Name: JAMES RIVER CORP  
Mailing Contact: Not reported  
Mailing Address: 650 MAIN ST  
Mailing City: BERLIN  
Mailing State: NH  
Mailing Zip: 03570  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 603-752-4600

[Click this hyperlink](#) while viewing on your computer to access  
13 additional NY MANIFEST: record(s) in the EDR Site Report.

**CT MANIFEST:**

Year: 2001  
Manifest ID: CTF0961854  
TSDF EPA ID: MAD019371079  
TSDF Name: GENERAL CHEMICAL  
TSDF Address: 1602 CONCORD ST  
TSDF City,St,Zip: FRAMINGHAM, MA 01701  
TSDF Country: USA  
TSDF Telephone: Not reported  
Transport Date: 01/08/01  
Transporter EPA ID: NHD980521843  
Transporter Name: TOTAL WASTE MANAGEMENT CORP  
Transporter Country: USA  
Transporter Phone: Not reported  
Trans 2 Date: / /  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
Trans 2 Address: Not reported  
Trans 2 City,St,Zip: CT  
Trans 2 Country: USA  
Trans 2 Phone: Not reported  
Generator EPA ID: NHD001079896  
Generator Phone: 6033422360  
Generator Address: Not reported  
Generator City,State,Zip: Not reported  
Generator Country: Not reported  
Special Handling: Not reported  
Discrepancies: Not reported  
Date Shipped: 01/08/01  
Date Received: / /  
Last modified date: 04/27/04  
Last modified by: IG  
Comments: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

FRASER NH LLC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000221405

[Click this hyperlink](#) while viewing on your computer to access  
3 additional CT MANIFEST: record(s) in the EDR Site Report.

22  
WSW  
1/4-1/2  
1930 ft.

CUMBERLAND FARMS INC 2835  
173 MAIN ST & MASON ST  
BERLIN, NH 03570

RCRA-SQG  
FINDS

1000692728  
NHD986473338

Relative:  
Lower

RCRAInfo:  
Owner: CUMBERLAND FARMS, INC  
(617) 828-4900  
EPA ID: NHD986473338  
Contact: RICHARD ETZOLD  
(781) 828-4900

Actual:  
1018 ft.

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E23  
WNW  
1/4-1/2  
2131 ft.

NEW ENGLAND TELEPHONE CO  
RTE 2  
GORHAM, NH 03581

RCRA-SQG  
FINDS  
LUST  
UST  
ALLSITES

1000112302  
NHD980511109

Site 1 of 4 in cluster E

Relative:  
Higher

RCRAInfo:  
Owner: NEW ENGLAND TELEPHONE CO BOS  
(603) 555-1212  
EPA ID: NHD980511109  
Contact: PHILIP BOIRE  
(603) 897-0205

Actual:  
1063 ft.

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 199309041  
Project Type: LUST  
Project Mngr: CLOSED

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

NEW ENGLAND TELEPHONE CO (Continued)

EDR ID Number  
EPA ID Number

Database(s)

No. of Permits: 0

1000112302

UST:

Lust Tracking Number: 199309041  
Facility ID: 0220523  
Owner Name: BELL ATLANTIC  
Owner Address: 125 HIGH ST RM 1006  
Owner City,St,Zip: BOSTON, MA 02110  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1964-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1993-06-25 00:00:00  
Permanent Closure Analysis: 1993-07-29 00:00:00

Lust Tracking Number: 199309041  
Facility ID: 0220523  
Owner Name: BELL ATLANTIC  
Owner Address: 125 HIGH ST RM 1006  
Owner City,St,Zip: BOSTON, MA 02110  
Tank ID: 2  
Chemical: Diesel.  
Capacity (gal): 300  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1964-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1993-06-25 00:00:00  
Permanent Closure Analysis: 1993-07-29 00:00:00

ALLSITES:

Facility ID: 199309041  
Project Type: LUST  
**Project Manager: CLOSED**  
Num of Permits: 0

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E24**  
**WNW**  
**1/4-1/2**  
**2168 ft.**

**ST BARNABAS CHURCH**  
**85 HIGH ST**  
**BERLIN, NH 03570**

**UST** **U001556780**  
**N/A**

**Site 2 of 4 in cluster E**

**Relative:**  
**Higher**

UST:

**Actual:**  
**1066 ft.**

Lust Tracking Number: 198605368  
Facility ID: 0112493  
Owner Name: ST BARNABAS CHURCH  
Owner Address: \*\*\*\*\*NO ADRESS KNOWN\*\*\*\*\*  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 5000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1970-01-01 00:00:00  
Last Test: 1987-10-14 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1995-08-22 00:00:00  
Permanent Closure Analysis: 1995-09-14 00:00:00

**F25**  
**West**  
**1/4-1/2**  
**2211 ft.**

**PSNH**  
**194 SCHOOL ST**  
**BERLIN, NH 03570**

**RCRA-SQG** **1004750733**  
**FINDS** **NHD986471043**  
**CT MANIFEST**

**Site 1 of 3 in cluster F**

**Relative:**  
**Lower**

RCRAInfo:

**Actual:**  
**1041 ft.**

Owner: PUBLIC SERVICE OF NH  
EPA ID: NHD986471043  
Contact: STEVEN LAROCHE  
(603) 634-2684

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**CT MANIFEST:**

Year: 2002  
Manifest ID: CTF0801898  
TSDF EPA ID: CTD000604488  
TSDF Name: CLEAN HARBORS OF CONNECTICUT INC  
TSDF Address: 51 BRODERICK RD  
TSDF City,St,Zip: BRISTOL, CT 06010  
TSDF Country: USA

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

PSNH (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1004750733

TSDF Telephone: Not reported  
Transport Date: 02/19/02  
Transporter EPA ID: MAD039322250  
Transporter Name: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.  
Transporter Country: USA  
Transporter Phone: Not reported  
Trans 2 Date: 02/25/02  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.  
Trans 2 Address: Not reported  
Trans 2 City,St,Zip: CT  
Trans 2 Country: USA  
Trans 2 Phone: Not reported  
Generator EPA ID: NHD986471043  
Generator Phone: 6037523223  
Generator Address: Not reported  
Generator City,State,Zip: Not reported  
Generator Country: Not reported  
Special Handling: Not reported  
Discrepancies: No  
Date Shipped: 02/19/02  
Date Received: 02/25/02  
Last modified date: 04/27/04  
Last modified by: IG  
Comments: Not reported

[Click this hyperlink](#) while viewing on your computer to access additional CT MANIFEST: detail in the EDR Site Report.

F26  
West  
1/4-1/2  
2211 ft.

PSNH UPPER HYDRO OFFICE  
194 SCHOOL STREET  
BERLIN, NH

ALLSITES S106799225  
N/A

Relative:  
Lower

Site 2 of 3 in cluster F

ALLSITES:

Actual:  
1041 ft.

Facility ID: 200501035  
Project Type: HOLDTANK  
**Project Manager:REGISTRATION**  
Num of Permits: 0

Facility ID: 200501035  
Project Type: UIC  
**Project Manager:CLOSED**  
Num of Permits: 0

E27  
WNW  
1/4-1/2  
2214 ft.

VERIZON  
97 HIGH ST  
BERLIN, NH 03570

RCRA-SQG 1008890751  
NHD510178742

Relative:  
Higher

Site 3 of 4 in cluster E

Actual:  
1070 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**VERIZON (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1008890751**

RCRAInfo:

Contact: GARY SCHMITZ  
(603) 897-0205

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**F28**  
**West**  
**1/4-1/2**  
**2218 ft.**

**O'BRIEN DAN RESIDENCE**  
**87 WILLARD ST**  
**GORHAM, NH 03570**

**RCRA-SQG**

**1009399738**  
**NHD510191745**

**Relative:**  
**Lower**

**Site 3 of 3 in cluster F**

RCRAInfo:

Contact: ROB HUTCHINSON  
(603) 723-7109

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**E29**  
**WNW**  
**1/4-1/2**  
**2225 ft.**

**REED PROPERTY**  
**88 HIGH STREET**  
**BERLIN, NH**

**ALLSITES**

**S106201328**  
**N/A**

**Relative:**  
**Higher**

**Site 4 of 4 in cluster E**

ALLSITES:

Facility ID: 200402004  
Project Type: OPUF  
**Project Manager: CLOSED**  
Num of Permits: 0

**G30**  
**SW**  
**1/4-1/2**  
**2231 ft.**

**BERLIN FOUNDRY & MACHINE CO**  
**489 GOEBEL ST**  
**BERLIN, NH 03570**

**RCRA-SQG**  
**FINDS**

**1001221211**  
**NHD510001126**

**Relative:**  
**Lower**

**Site 1 of 2 in cluster G**

RCRAInfo:

Owner: EMILIE HAMEL  
(603) 449-2003

EPA ID: NHD510001126

Contact: GARY HAMEL  
(603) 752-4550

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BERLIN FOUNDRY & MACHINE CO (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001221211**

Violation Status: Violations exist

Regulation Violated:	ENV-WM 504.02(C)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	10/31/1997
Actual Date Achieved Compliance:	05/11/1998
Enforcement Action:	UNILATERAL ORDER, NO PENALTIES
Enforcement Action Date:	04/17/1998
Penalty Type:	Not reported
Regulation Violated:	ENV-WM 507.03(A)
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	10/31/1997
Actual Date Achieved Compliance:	05/11/1998
Enforcement Action:	UNILATERAL ORDER, NO PENALTIES
Enforcement Action Date:	04/17/1998
Penalty Type:	Not reported
Regulation Violated:	ENV-WM 508.02(C)(1)
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	10/31/1997
Actual Date Achieved Compliance:	05/11/1998
Enforcement Action:	UNILATERAL ORDER, NO PENALTIES
Enforcement Action Date:	04/17/1998
Penalty Type:	Not reported
Regulation Violated:	ENV-WM 510
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	10/31/1997
Actual Date Achieved Compliance:	05/11/1998
Enforcement Action:	UNILATERAL ORDER, NO PENALTIES
Enforcement Action Date:	04/17/1998
Penalty Type:	Not reported
Regulation Violated:	ENV-WM 511.01(B)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	10/31/1997
Actual Date Achieved Compliance:	05/11/1998
Enforcement Action:	UNILATERAL ORDER, NO PENALTIES
Enforcement Action Date:	04/17/1998
Penalty Type:	Not reported
Regulation Violated:	ENV-WM 807.04(A)(1)
Area of Violation:	NHWOV
Date Violation Determined:	10/31/1997
Actual Date Achieved Compliance:	05/11/1998
Enforcement Action:	UNILATERAL ORDER, NO PENALTIES
Enforcement Action Date:	04/17/1998
Penalty Type:	Not reported
Regulation Violated:	ENV-WM 807.06(B)(13)
Area of Violation:	NHWOV
Date Violation Determined:	10/31/1997
Actual Date Achieved Compliance:	05/11/1998
Enforcement Action:	UNILATERAL ORDER, NO PENALTIES
Enforcement Action Date:	04/17/1998
Penalty Type:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BERLIN FOUNDRY & MACHINE CO (Continued)**

EDR ID Number  
EPA ID Number

**1001221211**

There are 7 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Other Evaluation	GENERATOR-GENERAL REQUIREMENTS	19980511
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19980511
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19980511
	GENERATOR-MANIFEST REQUIREMENTS	19980511
	GENERATOR-GENERAL REQUIREMENTS	19980511
	NHWOV	19980511
	NHWOV	19980511

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**G31**  
**SW**  
**1/4-1/2**  
**2231 ft.**

**BERLIN FOUNDRY & MACHINE CO**  
**489 GOBEL ST**  
**BERLIN, NH 03570**

**UST** **U001556416**  
**N/A**

**Site 2 of 2 in cluster G**

**Relative:**  
**Lower**

UST:

**Actual:**  
**1030 ft.**

Lust Tracking Number: 198705094  
Facility ID: 0111798  
Owner Name: BERLIN FOUNDRY & MACHINE CO  
Owner Address: PO BOX 127  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 10000  
Type of Tank Construction: Steel, corrosion protected  
Double Wall Construction: Yes  
Type of Pipe Construction: Copper  
Install Date: 1986-07-01 00:00:00  
Last Test: Not reported  
Spill Installed: 1986-07-01 00:00:00  
Overfill: 1986-07-01 00:00:00  
Line Leak Detection: Not reported  
Closure Type: Not reported  
Close Date: Not reported  
Permanent Closure: Not reported  
Permanent Closure Analysis: Not reported

**32**  
**West**  
**1/4-1/2**  
**2349 ft.**

**BERLIN HIGH SCHOOL**  
**550 WILLARD ST**  
**BERLIN, NH 03570**

**RCRA-SQG** **1004751055**  
**FINDS** **NHD986484095**  
**CT MANIFEST**

**Relative:**  
**Lower**

**Actual:**  
**1043 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BERLIN HIGH SCHOOL (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1004751055**

RCRAInfo:

Owner: CITY OF BERLIN SCHOOL DEPT  
(603) 652-4122  
EPA ID: NHD986484095  
Contact: ARTHUR H ELLUM  
(603) 752-4122  
Classification: Conditionally Exempt Small Quantity Generator  
TSD Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CT MANIFEST:

Year: 1996  
Manifest ID: CTF0483143  
TSD EPA ID: CTD001156009  
TSD Name: SAFETY-KLEEN SYSTEMS, INC.  
TSD Address: 39 COMMUNITY AVE EXT.  
TSD City,St,Zip: PLAINFIELD, CT 06374  
TSD Country: USA  
TSD Telephone: Not reported  
Transport Date: 11/04/96  
Transporter EPA ID: ILD984908202  
Transporter Name: SAFETY-KLEEN SYSTEMS, INC.  
Transporter Country: USA  
Transporter Phone: Not reported  
Trans 2 Date: / /  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
Trans 2 Address: Not reported  
Trans 2 City,St,Zip: CT  
Trans 2 Country: USA  
Trans 2 Phone: Not reported  
Generator EPA ID: NHD986484095  
Generator Phone: 6037528574  
Generator Address: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

**BERLIN HIGH SCHOOL (Continued)**

**1004751055**

Generator City,State,Zip:    Not reported  
Generator Country:        Not reported  
Special Handling:           Not reported  
Discrepancies:            Not reported  
Date Shipped:            11/04/96  
Date Received:            11/05/96  
Last modified date:        04/26/04  
Last modified by:        IG  
Comments:                Not reported

[Click this hyperlink](#) while viewing on your computer to access  
additional CT MANIFEST: detail in the EDR Site Report.

**33  
WSW  
1/4-1/2  
2492 ft.**

**BROOKS PHARMACY 355  
200 PLEASANT ST  
BERLIN, NH 03270**

**RCRA-SQG    1007204220  
RI MANIFEST    NHD510150691**

**Relative:  
Lower**

RCRAInfo:  
Owner:        WIELA COMPANY PARTNERSHIP  
                 (603) 752-7800  
EPA ID:        NHD510150691  
Contact:       PATRICK ROSS  
                 (401) 468-2584

**Actual:  
999 ft.**

Classification:    Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**RI MANIFEST:**

Manifest Docket Number:    RIS0086908  
Waste Description:        DEVELOPER SOLUTIONS  
Quantity:                25.00  
WT/Vol Units:            GAL  
Item Number:            792  
Transporter Name:        21ST CENTURY ENV. MGT. INC. - RI  
Transporter EPA ID:       RID980906986  
ID:                        114729  
GEN Cert Date:            12/18/2003 0:00:00  
Transporter Recpt Date:    12/18/2003 0:00:00  
Transporter 2 Recpt Date:    Not reported  
TSDF Recpt Date:        Not reported  
EPA ID:                NHD510150691  
Number Of Containers:    Not reported  
Container Type:           Not reported  
Waste Code1:            NONE  
Waste Code2:            Not reported  
Waste Code3:            Not reported  
Waste Code4:            Not reported  
Waste Code5:            Not reported  
Waste Code6:            Not reported  
Comment:                Not reported  
Fee Exempt Code:        Not reported  
TSDF Name:            Northland Environmental Inc.  
TSDF ID:                rid040098352  
Data Source:            northland photo in data  
Date Imported:            4/14/2004 15:53:58

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BROOKS PHARMACY 355 (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1007204220**

Transporter 2 Name:	Not reported
Transporter 2 ID:	Not reported
Quantity in LBS.:	200
Fee Reported:	\$0.00
Manifest Docket Number:	RIS0086908
Waste Description:	FIXER SOLUTIONS
Quantity:	58.00
WT/Vol Units:	GAL
Item Number:	793
Transporter Name:	21ST CENTURY ENV. MGT. INC. - RI
Transporter EPA ID:	RID980906986
ID:	114730
GEN Cert Date:	12/18/2003 0:00:00
Transporter Recpt Date:	12/18/2003 0:00:00
Transporter 2 Recpt Date:	Not reported
TSDf Recpt Date:	Not reported
EPA ID:	NHD510150691
Number Of Containers:	Not reported
Container Type:	Not reported
Waste Code1:	D011
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDf Name:	Northland Environmental Inc.
TSDf ID:	rid040098352
Data Source:	northland photo in data
Date Imported:	4/14/2004 15:53:58
Transporter 2 Name:	Not reported
Transporter 2 ID:	Not reported
Quantity in LBS.:	464
Fee Reported:	\$0.00
Manifest Docket Number:	RIS0090223
Waste Description:	PHOTO FIXER
Quantity:	29.00
WT/Vol Units:	G
Item Number:	5106
Transporter Name:	21ST CENTURY ENV MGT
Transporter EPA ID:	RID980906986
ID:	151904
GEN Cert Date:	2/20/2004 0:00:00
Transporter Recpt Date:	2/20/2004 0:00:00
Transporter 2 Recpt Date:	Not reported
TSDf Recpt Date:	2/20/2004 0:00:00
EPA ID:	NHD510150691
Number Of Containers:	Not reported
Container Type:	D011
Waste Code1:	Not reported
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BROOKS PHARMACY 355 (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1007204220**

Waste Code6: Not reported  
Comment: Not reported  
Fee Exempt Code: Not reported  
TSD Name: Northland Environmental Inc.  
TSD ID: rid040098352  
Data Source: Northland newcsv  
Date Imported: 5/27/2004 14:53:38  
Transporter 2 Name: Not reported  
Transporter 2 ID: Not reported  
Quantity in LBS.: 232  
Fee Reported: \$0.00

Manifest Docket Number: RIS0089441  
Waste Description: PHOTO FIXER  
Quantity: 60.00  
WT/Vol Units: G  
Item Number: 6432  
Transporter Name: 21ST CENTURY ENV MGT  
Transporter EPA ID: RID980906986  
ID: 497160  
GEN Cert Date: 1/17/2004 0:00:00  
Transporter Recpt Date: 1/17/2004 0:00:00  
Transporter 2 Recpt Date: Not reported  
TSD Recpt Date: 1/17/2004 0:00:00  
EPA ID: NHD510150691  
Number Of Containers: Not reported  
Container Type: D011  
Waste Code1: Not reported  
Waste Code2: Not reported  
Waste Code3: Not reported  
Waste Code4: Not reported  
Waste Code5: Not reported  
Waste Code6: Not reported  
Comment: Not reported  
Fee Exempt Code: Not reported  
TSD Name: Northland Environmental Inc.  
TSD ID: rid040098352  
Data Source: Northland newcsv  
Date Imported: 9/7/2005 14:14:57  
Transporter 2 Name: Not reported  
Transporter 2 ID: Not reported  
Quantity in LBS.: 480  
Fee Reported: \$0.00

Manifest Docket Number: RIS0091448  
Waste Description: PHOTO FIXER  
Quantity: 30.00  
WT/Vol Units: G  
Item Number: 3221  
Transporter Name: 21ST CENTURY ENV MGT  
Transporter EPA ID: RID980906986  
ID: 153779  
GEN Cert Date: 3/19/2004 0:00:00  
Transporter Recpt Date: 3/19/2004 0:00:00  
Transporter 2 Recpt Date: Not reported  
TSD Recpt Date: 3/19/2004 0:00:00  
EPA ID: NHD510150691

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BROOKS PHARMACY 355 (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1007204220**

Number Of Containers: Not reported  
Container Type: D011  
Waste Code1: Not reported  
Waste Code2: Not reported  
Waste Code3: Not reported  
Waste Code4: Not reported  
Waste Code5: Not reported  
Waste Code6: Not reported  
Comment: Not reported  
Fee Exempt Code: Not reported  
TSDF Name: Northland Environmental Inc.  
TSDF ID: rid040098352  
Data Source: Northland newcsv  
Date Imported: 5/27/2004 13:45:01  
Transporter 2 Name: Not reported  
Transporter 2 ID: Not reported  
Quantity in LBS.: 240  
Fee Reported: \$0.00

[Click this hyperlink](#) while viewing on your computer to access  
12 additional RI MANIFEST: record(s) in the EDR Site Report.

**34**  
**ESE**  
**1/4-1/2**  
**2499 ft.**

**PERRY RESIDENCE**  
**446 DERRAH STREET**  
**BERLIN, NH**

**ALLSITES S106201327**  
**N/A**

**Relative:**  
**Higher**

**ALLSITES:**  
Facility ID: 200401034  
Project Type: OPUF  
**Project Manager:CLOSED**  
Num of Permits: 0

**Actual:**  
**1183 ft.**

**35**  
**SSW**  
**1/2-1**  
**2917 ft.**

**RANSFORD LOVELY**  
**292 HILLSBORO STREET**  
**BERLIN, NH**

**ALLSITES S105770930**  
**N/A**

**Relative:**  
**Higher**

**ALLSITES:**  
Facility ID: 200111038  
Project Type: OPUF  
**Project Manager:CLOSED**  
Num of Permits: 0

**Actual:**  
**1146 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

36  
NNE  
1/2-1  
3009 ft.

**CHLOR-ALKALI FACILITY (FORMER)  
ADJACENT TO SAW MILL DAM  
BERLIN, NH 03570**

**CERCLIS  
FINDS  
NPL  
Proposed NPL**

EDR ID Number  
EPA ID Number

**1008162664  
NHN000103313**

**Relative:  
Higher**

CERCLIS:

Site ID: 0103313  
Federal Facility: Not a Federal Facility  
NPL Status: Currently on the Final NPL  
Non NPL Status: Not reported

**Actual:  
1078 ft.**

CERCLIS Site Contact Name(s):

Contact Name: Darryl Luce  
Contact Tel: (617) 918-1336  
Contact Title: Remedial Project Manager (RPM)

Contact Name: Sarah White  
Contact Tel: (617) 918-1026  
Contact Title: Community Involvement Coordinator

CERCLIS Site Alias Name(s):

Alias Name: CHLOR-ALKALI FACILITY (FORMER)  
Alias Address: EAST BANK OF ANDROSCOGGIN RIVER  
BERLIN, NH 03570

Site Description: The former cell house is the location of a former chlor-alkali plant that operated from 1900s - 1950s. The process used mercury cells to produce chlorine gas. The soil is contaminated with mercury and lead. The groundwater is contaminated with chloroform, dichloromethane, arsenic, lead and mercury. Mercury has been found in the Androscoggin River.

CERCLIS Assessment History:

Action: REMOVAL ASSESSMENT  
Date Started: 10/22/2001  
Date Completed: 10/23/2001  
Priority Level: Not reported

Action: DISCOVERY  
Date Started: Not reported  
Date Completed: 01/06/2004  
Priority Level: Not reported

Action: COMBINED PRELIMINARY ASSESSMENT/SITE INSPECTION  
Date Started: 01/06/2004  
Date Completed: 02/10/2005  
Priority Level: High

Action: HAZARD RANKING SYSTEM PACKAGE  
Date Started: 01/06/2004  
Date Completed: 04/06/2005  
Priority Level: Being considered for proposal to the NPL

Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
Date Started: Not reported  
Date Completed: 04/27/2005  
Priority Level: Not reported

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST  
Date Started: Not reported  
Date Completed: 09/14/2005

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**CHLOR-ALKALI FACILITY (FORMER) (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Priority Level: Not reported

**1008162664**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

**NPL:**

EPA ID: NHN000103313  
Region: 01  
Federal: General  
Final Date: 09/14/2005

EPA ID: NHN000103313  
Region: 01  
Federal: General  
Final Date: 09/14/2005

**Site Details:**

Site Name: CHLOR-ALKALI FACILITY (FORMER)  
Site Status: Final  
Status Date: 09/14/2005  
Site City: BERLIN  
Site State: NH  
Federal Site: Not a Federal Facility  
HRS Score: 30.54  
GW Score: 0.00  
SW Score: 61.07  
Air Score: Not reported  
Soil Score: Not reported  
DC Score: Not reported  
FE Score: Not reported

**Substance Details:**

Site ID: Not reported  
NPL Status: Currently on the Final NPL  
Substance ID: C460  
CAS #: 7439-97-6  
Substance: MERCURY  
Pathway: SURFACE WATER PATHWAY  
Scoring: 3

Site ID: Not reported  
NPL Status: Currently on the Final NPL  
Substance ID: D004  
CAS #: 7440-38-2  
Substance: ARSENIC  
Pathway: SURFACE WATER PATHWAY  
Scoring: 3

Site ID: Not reported  
NPL Status: Currently on the Final NPL  
Substance ID: D008  
CAS #: 7439-92-1  
Substance: LEAD (PB)  
Pathway: SURFACE WATER PATHWAY  
Scoring: 3

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHLOR-ALKALI FACILITY (FORMER) (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1008162664

Site ID: Not reported  
NPL Status: Currently on the Final NPL  
Substance ID: U022  
CAS #: 50-32-8  
Substance: BENZO(A)PYRENE  
Pathway: SURFACE WATER PATHWAY  
Scoring: 3

Site ID: Not reported  
NPL Status: Currently on the Final NPL  
Substance ID: U063  
CAS #: 53-70-3  
Substance: DIBENZ(A,H)ANTHRACENE  
Pathway: SURFACE WATER PATHWAY  
Scoring: 3

Site ID: Not reported  
NPL Status: Currently on the Final NPL  
Substance ID: Z100  
CAS #: 22967-92-6  
Substance: METHYLMERCURY  
Pathway: SURFACE WATER PATHWAY  
Scoring: 2

Site ID: Not reported  
NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
CAS #: Not reported  
Substance: Not reported  
Pathway: Not reported  
Scoring: Not reported

Summary Details:

"Site Location/Size: The former Chlor-Alkali facility is on an approximately 4.6 acre property located on the east bank of the Androscoggin River just downstream of the Sawmill Dam in Berlin, New Hampshire. Site History: From the late 1800s to the 1960s, chlorine and other chemicals (caustic soda, hydrogen, chloroform) were produced using electrolytic cells in "cell houses" on the property. Diaphragm cells, and also possibly mercury cells, produced chlorine for use in the manufacture of paper at the adjacent pulp mill. Most of the onsite structures were razed and buried on site in the 1960s. In 1999, the last cell house was demolished and most of the property was capped. The property is currently vacant and owned by the bankrupt Pulp and Paper of America, LLC. Site Contamination/Contaminants: Residual wastes from the historical manufacture of chlorine (principally mercury, lead, dioxins, and furans) have been detected in ground water and soils onsite and in sediments of the adjacent Androscoggin River at concentrations significantly above background levels. In addition, beads of mercury can be seen seeping into the river from cracks in the bedrock at the edge of the site. Potential Impacts on Surrounding Community/Environment: The Androscoggin River is currently designated "catch-and-release" from Berlin downstream to the Maine border. Fishermen who disregard this designation and eat fish caught in the river could be exposed to elevated levels of mercury, which is highly toxic. Seven rare bird species are known to live or feed close to the Androscoggin River near the site and could therefore

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHLOR-ALKALI FACILITY (FORMER) (Continued)**

**1008162664**

be harmed by the contaminants being released from the site; these are the bald eagle, peregrine falcon, common nighthawk, northern harrier, osprey, common loon, and Cooper's hawk. Response Activities (to date): In 1999, Crown Vantage Paper Company, which then owned the site, conducted closure activities intended to isolate contamination at the site from the surrounding environment. All remaining buildings on the property were demolished, a slurry wall was constructed on two sides of the property, and an impermeable cap was constructed over most of the property. To address the mercury seeping through bedrock cracks into the Androscoggin River, grout was injected into some of the bedrock cracks and visible mercury was collected from the river and its bank. Despite these response activities, mercury continues to seep into the Androscoggin River adjacent to the site. Between 1999 and 2004, the site owner (Pulp and Paper of America) and the New Hampshire Department of Environmental Services removed at least 135 pounds of mercury and mercury-containing sediments from the river and its bank. [The description of the site (release) is based on information available at the time the site was evaluated with the HRS. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices.] For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at <http://www.atsdr.cdc.gov/toxfaq.html> or by telephone at 1-888-42-ATSDR or 1-888-422-8737."

H37  
West  
1/2-1  
3164 ft.

**SCORPION DISTRIBUTION**  
**51 WILLOW ST**  
**BERLIN, NH**

**LUST**    **S104325004**  
**ALLSITES**    **N/A**

**Relative:**  
**Lower**

**Site 1 of 2 in cluster H**

**Actual:**  
**1024 ft.**

LUST:  
Facility ID: 198907024  
Project Type: LUST  
**Project Mngr: CLOSED**  
No. of Permits: 0

ALLSITES:  
Facility ID: 198907024  
Project Type: LUST  
**Project Manager: CLOSED**  
Num of Permits: 0



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**H38**  
**West**  
**1/2-1**  
**3177 ft.**

**BERLIN PRECHLORINATION FACILIT**  
**55 WILLOW ST**  
**BERLIN, NH 03570**

**UST**  
**ALLSITES**

**U001556307**  
**N/A**

**Relative:**  
**Lower**

**Site 2 of 2 in cluster H**

UST:

**Actual:**  
**1025 ft.**

Lust Tracking Number: 198605171  
Facility ID: 0111621  
Owner Name: CITY OF BERLIN  
Owner Address: 168 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 2  
Chemical: Diesel.  
Capacity (gal): 2000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: Not reported  
Last Test: 1994-10-27 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Not reported  
Close Date: Not reported  
Permanent Closure: 1995-10-10 00:00:00  
Permanent Closure Analysis: Not reported

Lust Tracking Number: 198605171  
Facility ID: 0111621  
Owner Name: CITY OF BERLIN  
Owner Address: 168 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: Diesel.  
Capacity (gal): 2000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1976-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1986-12-31 00:00:00  
Permanent Closure Analysis: Not reported

**ALLSITES:**

Facility ID: 198605171  
Project Type: SITEEVALHW  
**Project Manager:CLOSED**  
Num of Permits: 0

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

39  
NNE  
1/2-1  
3201 ft.

**PORTLAND GLASS**  
**569 MAIN STREET**  
**BERLIN, NH**

**NH Spills**  
**ALLSITES**

**S102828198**  
**N/A**

**Relative:**  
**Higher**

NH Spills:  
Facility ID: 199711009  
Project Type: SPILL/RLS  
**Project Manager: CLOSED**  
No. of Permits: 0

**Actual:**  
**1088 ft.**

ALLSITES:  
Facility ID: 199711009  
Project Type: SPILL/RLS  
**Project Manager: CLOSED**  
Num of Permits: 0

Facility ID: 199711009  
Project Type: OPUF  
**Project Manager: CLOSED**  
Num of Permits: 0

40  
West  
1/2-1  
3386 ft.

**KENTUCKY FRIED CHICKEN**  
**4 HILLSIDE AVE**  
**BERLIN, NH**

**SHWS**  
**BROWNFIELDS**  
**ALLSITES**

**S102991135**  
**N/A**

**Relative:**  
**Lower**

SHWS:  
Facility ID: 199802027  
Proj Type: HAZWASTE  
**Project Manager: CLOSED**  
No. of Permits: 0

**Actual:**  
**1026 ft.**

BROWNFIELDS:  
Facility ID: 199802027  
Facility Status: CLOSED

ALLSITES:  
Facility ID: 199802027  
Project Type: HAZWASTE  
**Project Manager: CLOSED**  
Num of Permits: 0

41  
WSW  
1/2-1  
3432 ft.

**ST. LAWRENCE & ATLANTIC RAILROAD**  
**30 EXCHANGE STREET**  
**BERLIN, NH**

**NH Spills**  
**ALLSITES**

**S103093946**  
**N/A**

**Relative:**  
**Lower**

NH Spills:  
Facility ID: 199512037  
Project Type: SPILL/RLS  
**Project Manager: CLOSED**  
No. of Permits: 0

**Actual:**  
**1008 ft.**

ALLSITES:  
Facility ID: 199512037

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ST. LAWRENCE & ATLANTIC RAILROAD (Continued)

EDR ID Number  
EPA ID Number

Database(s)

Project Type: SPILL/RLS  
Project Manager: CLOSED  
Num of Permits: 0

S103093946

42  
NNE  
1/2-1  
3504 ft.

CHLOR ALKALI FACILITY (CROWN VANTAGE)  
650 MAIN ST  
BERLIN, NH 03581

SHWS  
NH Spills  
UST  
AST  
ALLSITES

U002264117  
N/A

Relative:  
Higher

SHWS:  
Facility ID: 199709046  
Proj Type: CERCLA  
Project Manager: HOFFMAN  
No. of Permits: 0

Actual:  
1087 ft.

NH Spills:  
Facility ID: 199009011  
Project Type: SPILL/RLS  
Project Manager: CLOSED  
No. of Permits: 3

Facility ID: 199009011  
Project Type: SPILL/RLS  
Project Manager: LYNN  
No. of Permits: 3

Facility ID: 199709046  
Project Type: SPILL/RLS  
Project Manager: SILLS  
No. of Permits: 0

UST:

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City, St, Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 4000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1975-01-01 00:00:00  
Last Test: 1988-07-14 00:00:00  
Spill Installed: Not reported  
Overfill: 1993-12-09 00:00:00  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1996-09-12 00:00:00  
Permanent Closure Analysis: 1996-10-03 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHLOR ALKALI FACILITY (CROWN VANTAGE) (Continued)**

**U002264117**

Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 4  
Chemical: Gasoline.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1970-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Filled In Place  
Close Date: Not reported  
Permanent Closure: 1987-12-01 00:00:00  
Permanent Closure Analysis: Not reported

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 6  
Chemical: Gasoline.  
Capacity (gal): 6000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1965-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Filled In Place  
Close Date: Not reported  
Permanent Closure: 1987-12-01 00:00:00  
Permanent Closure Analysis: Not reported

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 15  
Chemical: Gasoline.  
Capacity (gal): 3000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1981-01-01 00:00:00  
Last Test: 1992-12-15 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: 1993-12-20 00:00:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHLOR ALKALI FACILITY (CROWN VANTAGE) (Continued)**

**U002264117**

Permanent Closure: 1994-08-16 00:00:00  
Permanent Closure Analysis: 1994-10-17 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 14  
Chemical: Diesel.  
Capacity (gal): 3000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1981-01-01 00:00:00  
Last Test: 1992-12-15 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: 1993-12-20 00:00:00  
Permanent Closure: 1994-08-16 00:00:00  
Permanent Closure Analysis: 1994-10-17 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 13  
Chemical: Gasoline.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1975-01-01 00:00:00  
Last Test: 1988-07-14 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1993-07-20 00:00:00  
Permanent Closure Analysis: 1993-08-30 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 12  
Chemical: Gasoline.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1975-01-01 00:00:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHLOR ALKALI FACILITY (CROWN VANTAGE) (Continued)**

**U002264117**

Last Test: 1988-07-14 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1993-07-20 00:00:00  
Permanent Closure Analysis: 1993-08-30 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 11  
Chemical: Kerosene  
Capacity (gal): 2000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1980-01-01 00:00:00  
Last Test: 1989-08-15 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1994-08-16 00:00:00  
Permanent Closure Analysis: 1994-10-17 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 10  
Chemical: Gasoline.  
Capacity (gal): 275  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1983-01-01 00:00:00  
Last Test: 1988-07-13 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1990-06-04 00:00:00  
Permanent Closure Analysis: 1990-07-13 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 9

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHLOR ALKALI FACILITY (CROWN VANTAGE) (Continued)**

**U002264117**

Chemical: #2 heating oil.  
Capacity (gal): 4000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1975-01-01 00:00:00  
Last Test: 1988-07-13 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1993-07-20 00:00:00  
Permanent Closure Analysis: 1993-08-30 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 8  
Chemical: Used oil  
Capacity (gal): 500  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1983-01-01 00:00:00  
Last Test: 1989-07-25 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1992-11-18 00:00:00  
Permanent Closure Analysis: 1993-01-21 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 7  
Chemical: Diesel.  
Capacity (gal): 3000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1969-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Filled In Place  
Close Date: Not reported  
Permanent Closure: 1987-12-01 00:00:00  
Permanent Closure Analysis: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHLOR ALKALI FACILITY (CROWN VANTAGE) (Continued)**

**U002264117**

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 18  
Chemical: #2 heating oil.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Copper  
Install Date: Not reported  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: 1993-10-13 00:00:00  
Permanent Closure: 1994-08-16 00:00:00  
Permanent Closure Analysis: 1994-10-17 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 17  
Chemical: Used oil  
Capacity (gal): 500  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1981-01-01 00:00:00  
Last Test: 1989-07-24 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1992-11-18 00:00:00  
Permanent Closure Analysis: 1993-01-21 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 16  
Chemical: Used oil  
Capacity (gal): 500  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1981-01-01 00:00:00  
Last Test: 1989-07-24 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHLOR ALKALI FACILITY (CROWN VANTAGE) (Continued)**

**U002264117**

Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1992-11-18 00:00:00  
Permanent Closure Analysis: 1993-01-21 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 5  
Chemical: #2 heating oil.  
Capacity (gal): 1000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1983-01-01 00:00:00  
Last Test: 1988-07-13 00:00:00  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1992-11-18 00:00:00  
Permanent Closure Analysis: 1993-01-21 00:00:00

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 3  
Chemical: #6 heating oil.  
Capacity (gal): 25000  
Type of Tank Construction: Steel  
Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1960-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Filled In Place  
Close Date: Not reported  
Permanent Closure: 1987-12-01 00:00:00  
Permanent Closure Analysis: Not reported

Lust Tracking Number: 199709046  
Facility ID: 0112765  
Owner Name: CROWN PAPER CO  
Owner Address: 650 MAIN ST  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 2  
Chemical: #6 heating oil.  
Capacity (gal): 25000  
Type of Tank Construction: Steel

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHLOR ALKALI FACILITY (CROWN VANTAGE) (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U002264117

Double Wall Construction: No  
Type of Pipe Construction: Steel  
Install Date: 1960-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Filled In Place  
Close Date: Not reported  
Permanent Closure: 1987-12-01 00:00:00  
Permanent Closure Analysis: Not reported

AST:

Facility ID: 0000124  
desno: 199009011  
Tank Capacity: 2000  
Tank Number: Not reported  
Chemical Stored: DIESEL  
Install Date: 1/1/1990  
Owner: MUNCES SUPERIOR INC  
Manager: ROB MUNCE  
Manager Phone: bob-o-

Facility ID: 0000124  
desno: 199009011  
Tank Capacity: 3000  
Tank Number: Not reported  
Chemical Stored: GASOLINE  
Install Date: 1/1/1990  
Owner: MUNCES SUPERIOR INC  
Manager: ROB MUNCE  
Manager Phone: bob-o-

ALLSITES:

Facility ID: 199009011  
Project Type: LWW/LAG  
**Project Manager: PERMITS-RELEASE DET.**  
Num of Permits: 3

Facility ID: 199009011  
Project Type: SPILL/RLS  
**Project Manager: CLOSED**  
Num of Permits: 3

Facility ID: 199009011  
Project Type: SPILL/RLS  
**Project Manager: LYNN**  
Num of Permits: 3

Facility ID: 199709046  
Project Type: CERCLA  
**Project Manager: HOFFMAN**  
Num of Permits: 0

Facility ID: 199709046  
Project Type: SPILL/RLS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHLOR ALKALI FACILITY (CROWN VANTAGE) (Continued)

EDR ID Number  
EPA ID Number

Database(s)

Project Manager: SILLS

Num of Permits: 0

U002264117

I43  
ESE  
1/2-1  
3628 ft.

TAMMY JUDSON RESIDENCE  
473 FORBUSH AVENUE  
BERLIN, NH

ALLSITES

S107133961  
N/A

Site 1 of 2 in cluster I

Relative:  
Higher

ALLSITES:

Facility ID: 200509020

Project Type: OPUF

Project Manager: CLOSED

Num of Permits: 0

Actual:  
1255 ft.

44  
WNW  
1/2-1  
3711 ft.

APARTMENT BUILDING  
212 WILLOW STREET  
BERLIN, NH

ALLSITES

S107914257  
N/A

Relative:  
Lower

ALLSITES:

Facility ID: 200603026

Project Type: OPUF

Project Manager: GALUSZKA

Num of Permits: 0

Actual:  
1031 ft.

45  
West  
1/2-1  
3740 ft.

HODGDON OIL STORAGE  
GILBERT STREET  
BERLIN, NH 03570

US BROWNFIELDS

1009400833  
N/A

Relative:  
Lower

US BROWNFIELDS:

Pilot Name: North Country Council, NH (A04)

EPA ID: Not reported

Latitude: 44.46996

Longitude: -71.18632

Assessment: Not reported

Actual:  
1030 ft.

I46  
ESE  
1/2-1  
3861 ft.

SUSAN JOHNSON  
559 FORBUSH AVENUE  
BERLIN, NH

ALLSITES

S105770921  
N/A

Site 2 of 2 in cluster I

Relative:  
Higher

ALLSITES:

Facility ID: 199605005

Project Type: OPUF

Project Manager: CLOSED

Num of Permits: 0

Actual:  
1288 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**47**  
**WSW**  
**1/2-1**  
**3994 ft.**

**NORGE VILLAGE LAUNDRY**  
**IGA PLAZA 19 PLEASANT STREET**  
**BERLIN, NH 03570**

**SHWS**  
**LUST**  
**UST**  
**ALLSITES**

**1000692771**  
**N/A**

**Relative:**  
**Lower**

SHWS:

Facility ID: 198910067  
Proj Type: HAZWASTE  
**Project Manager: UNASSIGNED**  
No. of Permits: 1

**Actual:**  
**977 ft.**

LUST:

Facility ID: 198910067  
Project Type: LUST  
**Project Mngr: CLOSED**  
No. of Permits: 1

UST:

Lust Tracking Number: 198910067  
Facility ID: 0114350  
Owner Name: THERESE ROUSSEAU  
Owner Address: 150 ENMAN HILL RD  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 1  
Chemical: #2 heating oil.  
Capacity (gal): 1000  
Type of Tank Construction: Unknown  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: 1965-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1989-10-31 00:00:00  
Permanent Closure Analysis: 1993-03-11 00:00:00

Lust Tracking Number: 198910067  
Facility ID: 0114350  
Owner Name: THERESE ROUSSEAU  
Owner Address: 150 ENMAN HILL RD  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 3  
Chemical: #2 heating oil.  
Capacity (gal): 1000  
Type of Tank Construction: Unknown  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: 1965-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Removed  
Close Date: Not reported  
Permanent Closure: 1990-12-01 00:00:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**NORGE VILLAGE LAUNDRY (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000692771**

Permanent Closure Analysis: Not reported

Lust Tracking Number: 198910067  
Facility ID: 0114350  
Owner Name: THERESE ROUSSEAU  
Owner Address: 150 ENMAN HILL RD  
Owner City,St,Zip: BERLIN, NH 03570  
Tank ID: 2  
Chemical: #2 heating oil.  
Capacity (gal): 5000  
Type of Tank Construction: Unknown  
Double Wall Construction: No  
Type of Pipe Construction: Unknown  
Install Date: 1960-01-01 00:00:00  
Last Test: Not reported  
Spill Installed: Not reported  
Overfill: Not reported  
Line Leak Detection: Not reported  
Closure Type: Filled In Place  
Close Date: Not reported  
Permanent Closure: 1990-12-01 00:00:00  
Permanent Closure Analysis: Not reported

**ALLSITES:**

Facility ID: 198910067  
Project Type: LUST  
**Project Manager:CLOSED**  
Num of Permits: 1

Facility ID: 198910067  
Project Type: UIC  
**Project Manager:CLOSED**  
Num of Permits: 1

Facility ID: 198910067  
Project Type: HAZWASTE  
**Project Manager:UNASSIGNED**  
Num of Permits: 1

48  
NNE  
> 1  
5485 ft.

**FORMER RESEARCH & DEVELOPMENT BUILDING**  
**961 MAIN STREET**  
**BERLIN, NH**

**SHWS**  
**BROWNFIELDS**  
**ALLSITES**

**S104894594**  
**N/A**

**Relative:**  
**Higher**

SHWS:  
Facility ID: 200007033  
Proj Type: HAZWASTE  
**Project Manager:DUBOIS**  
No. of Permits: 0

**Actual:**  
**1098 ft.**

**BROWNFIELDS:**  
Facility ID: 200007033  
Facility Status: ACTIVE

**ALLSITES:**  
Facility ID: 200007033

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER RESEARCH & DEVELOPMENT BUILDING (Continued)**

**S104894594**

Project Type: HAZWASTE  
**Project Manager: DUBOIS**  
Num of Permits: 0

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BERLIN	1004751060	CAR FRESHNER CORP	RTE 110 NORTH	03570	RCRA-SQG, FINDS
BERLIN	1008885344	TRIUMVIRATE ENV SVCS INC	RTE 110	03570	RCRA-SQG
BERLIN	1009284408	P & L AUTO PARTS INC	RT 110 & JERICHO RD	03570	ICIS
BERLIN	S107447803	STATE OF NEW HAMPSHIRE	ROUTE 110	03570	ALLSITES
BERLIN	U001150497	DUCKYS MINI MART	RTE 110	03570	UST
BERLIN	S105770918	DUMMER YARD LANDFILL - JAMES RIVER	RTE 16/ HUTCHINS ST	03570	ALLSITES
BERLIN	879365	CASCADE MILL ON MAIN ST. 2 MILES S	CASCADE MILL ON MAIN ST. 2 MIL		ERNS
BERLIN	A100228203	PSNH COMMUNITY ST SUBSTATION	COMMUNITY ST	03570	AST
BERLIN	1008888728	PETERS GAY	COOS ST	03570	RCRA-SQG
BERLIN	U003083248	ST KIERANS CHURCH	EMERY ST	03570	UST
BERLIN	1008887391	JOHNSON FUEL SERVICE	412 GLEN AVE RTE 16	03570	RCRA-SQG
BERLIN	1008885923	NEW ENGLAND TELEPHONE CO	51 HIGH & PLEASANT STS	03570	RCRA-SQG
BERLIN	1008886967	NOTRE DAME HOCKEY ARENA	HILLSIDE AVE	03570	RCRA-SQG
BERLIN	U001557434	NOTRE DAME ARENA	HILLSIDE AVE	03570	LUST, UST, ALLSITES
BERLIN	1000783293	ISAACSON CONTAINER INC	HUTCHINS ST	03570	RCRA-SQG, FINDS
BERLIN	S105426193	DUMMER YARD LANDFILL	HUTCHINS STREET	03570	SWF/LF
BERLIN	1009266056	FRASER NH LLC	650 MAIN STREET	03570	ICIS
BERLIN	1008938086	REDS MOBIL	879 MAIN ST	03570	FINDS, LUST
BERLIN	S105770916	BERLIN TOWN LANDFILL I	EAST MILAN RD.	03570	ALLSITES
BERLIN	U001556309	BURGESS SCHOOL	SCHOOL ST	03570	UST, BROWNFIELDS, ALLSITES
BERLIN	1007204544	NH DES WMD	SCHOOL ST	03570	RCRA-SQG
BERLIN	S107261887		28 SPRING STREET A3	03570	LEAD
BERLIN	1005926696	BURGESS PULP MILL	UNITY ST	03570	TSCA
BERLIN	1007119239	FRASER NH LLC	UNITY ST	03570	RCRA-SQG
BERLIN	1009288114	PULP & PAPER OF AMERICA LLC	UNITY STREET	03570	ICIS
BERLIN	U002264192	BERLIN UNITY ST IRVING BULK	UNITY ST	03570	UST, AST, ALLSITES
BERLIN	1008888288	COSTELLO LEON CO	UPPER MAIN ST	03570	RCRA-SQG
BETHLEHEM	1008885728	WASTE MANAGEMENT OF NH INC	MAIN ST	03570	RCRA-SQG
RANDOLPH	1001079196	GRAND VIEW AUTO BODY	RTE 2	03570	RCRA-SQG, FINDS
RANDOLPH	1007203783	LOWES SERVICE STATION	RTE 2	03570	RCRA-SQG
RANDOLPH	U001556119	LOWES SERVICE STATION	RTE 2	03570	UST

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **FEDERAL RECORDS**

### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

### **Proposed NPL: Proposed National Priority List Sites**

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

### **DELISTED NPL: National Priority List Deletions**

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **NPL RECOVERY:** Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991

Source: EPA

Date Data Arrived at EDR: 02/02/1994

Telephone: 202-564-4267

Date Made Active in Reports: 03/30/1994

Last EDR Contact: 08/21/2006

Number of Days to Update: 56

Next Scheduled EDR Contact: 11/20/2006

Data Release Frequency: No Update Planned

### **CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/19/2006

Source: EPA

Date Data Arrived at EDR: 06/22/2006

Telephone: 703-413-0223

Date Made Active in Reports: 08/23/2006

Last EDR Contact: 06/22/2006

Number of Days to Update: 62

Next Scheduled EDR Contact: 09/18/2006

Data Release Frequency: Quarterly

### **CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006

Source: EPA

Date Data Arrived at EDR: 03/21/2006

Telephone: 703-413-0223

Date Made Active in Reports: 04/13/2006

Last EDR Contact: 06/23/2006

Number of Days to Update: 23

Next Scheduled EDR Contact: 09/18/2006

Data Release Frequency: Quarterly

### **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006

Source: EPA

Date Data Arrived at EDR: 03/17/2006

Telephone: 800-424-9346

Date Made Active in Reports: 04/13/2006

Last EDR Contact: 09/05/2006

Number of Days to Update: 27

Next Scheduled EDR Contact: 12/04/2006

Data Release Frequency: Quarterly

### **RCRA:** Resource Conservation and Recovery Act Information

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 08/22/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

### **ERNS:** Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Annually

### **HMIRS:** Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/03/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

### **US ENG CONTROLS:** Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

### **US INST CONTROL:** Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **DOD:** Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Semi-Annually

### **FUDS:** Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

### **US BROWNFIELDS:** A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006	Telephone: 202-566-2777
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Semi-Annually

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 07/24/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

### **ROD:** Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/10/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 703-416-0223
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **UMTRA:** Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Varies

### **ODI:** Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### **PRP:** Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

### **TRIS:** Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

### **TSCA:** Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Every 4 Years

### **FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/14/2006	Source: EPA
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

### **SSTS:** Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

### **ICIS:** Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Quarterly

### **PADS:** PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/07/2006	Source: EPA
Date Data Arrived at EDR: 08/09/2006	Telephone: 202-566-0500
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Annually

### **MLTS:** Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/10/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006	Telephone: 301-415-7169
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

### **MINES:** Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/16/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **FINDS:** Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/21/2006	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

### **RAATS:** RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 09/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: No Update Planned

### **BRS:** Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 07/21/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Biennially

### **STATE AND LOCAL RECORDS**

#### **SHWS:** Listing of All Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 06/21/2006	Source: Department of Environmental Services
Date Data Arrived at EDR: 06/26/2006	Telephone: 603-271-2919
Date Made Active in Reports: 07/31/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

#### **ALLSITES:** Site Remediation & Groundwater Hazard Inventory Listing of All Sites

Provides information on sites in New Hampshire, with activities that either have resulted in groundwater contamination or pose a potential hazard to groundwater supplies. The regulated activities and groundwater hazards include: confirmed releases of oil or hazardous materials to the soil and/or groundwater as a result of discharges, spills, and removal of underground storage tanks; underground injection wells such as floor drains, leaching galleries, and septic systems anything other than domestic wastewater; large discharges of wastewater such as domestic wastewater septic systems which are designed to discharge more than 20,000 gpd, land application of wastewater treatment facility effluent (spray irrigation, rapid infiltration basins, etc.) and unlined septage and wastewater lagoons; unpermitted hazardous waste storage facilities; landfills and other waste repositories in which groundwater quality is at risk.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/21/2006  
Date Data Arrived at EDR: 06/26/2006  
Date Made Active in Reports: 07/31/2006  
Number of Days to Update: 35

Source: Department of Environmental Services  
Telephone: 603-271-3503  
Last EDR Contact: 09/05/2006  
Next Scheduled EDR Contact: 12/04/2006  
Data Release Frequency: Quarterly

### **SWF/LF:** Solid Waste Facility Information

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/02/2006  
Date Data Arrived at EDR: 06/02/2006  
Date Made Active in Reports: 06/30/2006  
Number of Days to Update: 28

Source: Department of Environmental Services  
Telephone: 603-271-5380  
Last EDR Contact: 08/14/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Annually

### **LUST:** Listing of All Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/21/2006  
Date Data Arrived at EDR: 06/26/2006  
Date Made Active in Reports: 07/31/2006  
Number of Days to Update: 35

Source: Department of Environmental Services  
Telephone: 603-271-2975  
Last EDR Contact: 09/05/2006  
Next Scheduled EDR Contact: 12/04/2006  
Data Release Frequency: Quarterly

### **UST:** Underground Storage Tank Registration Data

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/21/2006  
Date Data Arrived at EDR: 06/26/2006  
Date Made Active in Reports: 08/04/2006  
Number of Days to Update: 39

Source: Department of Environmental Services  
Telephone: 603-271-2975  
Last EDR Contact: 09/05/2006  
Next Scheduled EDR Contact: 12/04/2006  
Data Release Frequency: Quarterly

### **LAST:** Listing of All Sites

Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 06/21/2006  
Date Data Arrived at EDR: 06/26/2006  
Date Made Active in Reports: 07/31/2006  
Number of Days to Update: 35

Source: Department of Environmental Services  
Telephone: 603-271-2975  
Last EDR Contact: 09/05/2006  
Next Scheduled EDR Contact: 12/04/2006  
Data Release Frequency: Quarterly

### **AST:** Registered Aboveground Petroleum Storage Tank Database

Registered Aboveground Storage Tanks.

Date of Government Version: 06/21/2006  
Date Data Arrived at EDR: 06/26/2006  
Date Made Active in Reports: 08/04/2006  
Number of Days to Update: 39

Source: Department of Environmental Services  
Telephone: 603-271-6058  
Last EDR Contact: 09/05/2006  
Next Scheduled EDR Contact: 12/04/2006  
Data Release Frequency: Quarterly

### **NH SPILLS:** Listing of All Sites

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/21/2006  
Date Data Arrived at EDR: 06/26/2006  
Date Made Active in Reports: 07/31/2006  
Number of Days to Update: 35

Source: Department of Environmental Services  
Telephone: 603-271-2975  
Last EDR Contact: 09/05/2006  
Next Scheduled EDR Contact: 12/04/2006  
Data Release Frequency: Quarterly

### **Inst Control:** Activity and Use Restrictions

An inventory of sites where Activity and Use Restrictions have been utilized.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/24/2005  
Date Made Active in Reports: 06/21/2005  
Number of Days to Update: 28

Source: Department of Environmental Services  
Telephone: 603-271-2659  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Semi-Annually

### **VCP:** Voluntary Cleanup Program Sites

The program provides comprehensive liability protections to eligible persons who voluntarily assume responsibility for the cleanup of contaminated properties. The sites on the list are ones where persons have applied to participate in the program and in most cases have been deemed eligible.

Date of Government Version: 05/23/2006  
Date Data Arrived at EDR: 06/06/2006  
Date Made Active in Reports: 06/30/2006  
Number of Days to Update: 24

Source: Department of Environmental Services  
Telephone: 603-271-2183  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Varies

### **DRYCLEANERS:** Listing of Drycleaners

A listing of drycleaner locations in New Hampshire.

Date of Government Version: 07/17/2006  
Date Data Arrived at EDR: 07/18/2006  
Date Made Active in Reports: 08/24/2006  
Number of Days to Update: 37

Source: Department of Environmental Services  
Telephone: 603-271-2937  
Last EDR Contact: 07/17/2006  
Next Scheduled EDR Contact: 10/16/2006  
Data Release Frequency: Quarterly

### **BROWNFIELDS:** Brownfields Sites

Sites that have benefited from one or more brownfields initiative.

Date of Government Version: 05/26/2006  
Date Data Arrived at EDR: 05/26/2006  
Date Made Active in Reports: 06/30/2006  
Number of Days to Update: 35

Source: Department of Environmental Services  
Telephone: 603-271-6422  
Last EDR Contact: 08/23/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Varies

### **NPDES:** NPDES Permit Listing

General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

Date of Government Version: 05/22/2006  
Date Data Arrived at EDR: 06/02/2006  
Date Made Active in Reports: 06/30/2006  
Number of Days to Update: 28

Source: Department of Environmental Services  
Telephone: 603-271-0671  
Last EDR Contact: 05/19/2006  
Next Scheduled EDR Contact: 09/25/2006  
Data Release Frequency: Varies

### **LEAD:** Lead Inspection Database

The Childhood Lead Poisoning Prevention Program data of lead inspection for the state.

Date of Government Version: 07/21/2006  
Date Data Arrived at EDR: 07/21/2006  
Date Made Active in Reports: 08/24/2006  
Number of Days to Update: 34

Source: Department of Health & Human Services, Childhood Lead Poisoning Prevention Progr  
Telephone: 603-271-3854  
Last EDR Contact: 06/26/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## TRIBAL RECORDS

### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 202-208-3710
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Semi-Annually

### INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006	Source: EPA Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6271
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/01/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3372
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

### INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

### INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

### INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

### INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/30/2006	Source: EPA Region 6
Date Data Arrived at EDR: 07/03/2006	Telephone: 214-665-7591
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Semi-Annually

### INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006	Source: EPA Region 9
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3368
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

### EDR PROPRIETARY RECORDS

#### Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### **CT MANIFEST:** Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004  
Date Data Arrived at EDR: 02/17/2006  
Date Made Active in Reports: 04/07/2006  
Number of Days to Update: 49

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 06/14/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Annually

### **NJ MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/01/2006  
Date Data Arrived at EDR: 07/06/2006  
Date Made Active in Reports: 08/01/2006  
Number of Days to Update: 26

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 07/05/2006  
Next Scheduled EDR Contact: 10/02/2006  
Data Release Frequency: Annually

### **NY MANIFEST:** Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006  
Date Data Arrived at EDR: 05/31/2006  
Date Made Active in Reports: 06/27/2006  
Number of Days to Update: 27

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/30/2006  
Next Scheduled EDR Contact: 11/27/2006  
Data Release Frequency: Annually

### **PA MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 05/04/2006  
Date Made Active in Reports: 06/06/2006  
Number of Days to Update: 33

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/12/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Annually

### **RI MANIFEST:** Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005  
Date Data Arrived at EDR: 05/09/2006  
Date Made Active in Reports: 05/24/2006  
Number of Days to Update: 15

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 06/19/2006  
Next Scheduled EDR Contact: 09/18/2006  
Data Release Frequency: Annually

### **VT MANIFEST:** Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 06/29/2006  
Date Made Active in Reports: 07/31/2006  
Number of Days to Update: 32

Source: Department of Environmental Conservation  
Telephone: 802-241-3443  
Last EDR Contact: 08/15/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **WI MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 03/17/2006

Date Made Active in Reports: 05/02/2006

Number of Days to Update: 46

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 07/25/2006

Next Scheduled EDR Contact: 10/09/2006

Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### **Electric Power Transmission Line Data**

Source: PennWell Corporation

Telephone: (800) 823-6277

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### **AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### **Daycare Centers: Child Care Facility List**

Source: Department of Health & Human Services

Telephone: 603-271-4624

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### **State Wetlands Data: Wetlands Inventory**

Source: University of New Hampshire

Telephone: 603-862-1792

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### STREET AND ADDRESS INFORMATION

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

BURGESS MILL  
UNITY STREET/HUCHINS STREET  
BERLIN, NH 03570

### **TARGET PROPERTY COORDINATES**

Latitude (North):	44.47170 - 44° 28' 18.1"
Longitude (West):	71.1722 - 71° 10' 19.9"
Universal Transverse Mercator:	Zone 19
UTM X (Meters):	327225.6
UTM Y (Meters):	4926344.0
Elevation:	1059 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	44071-D2 BERLIN, NH
Most Recent Revision:	1989

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

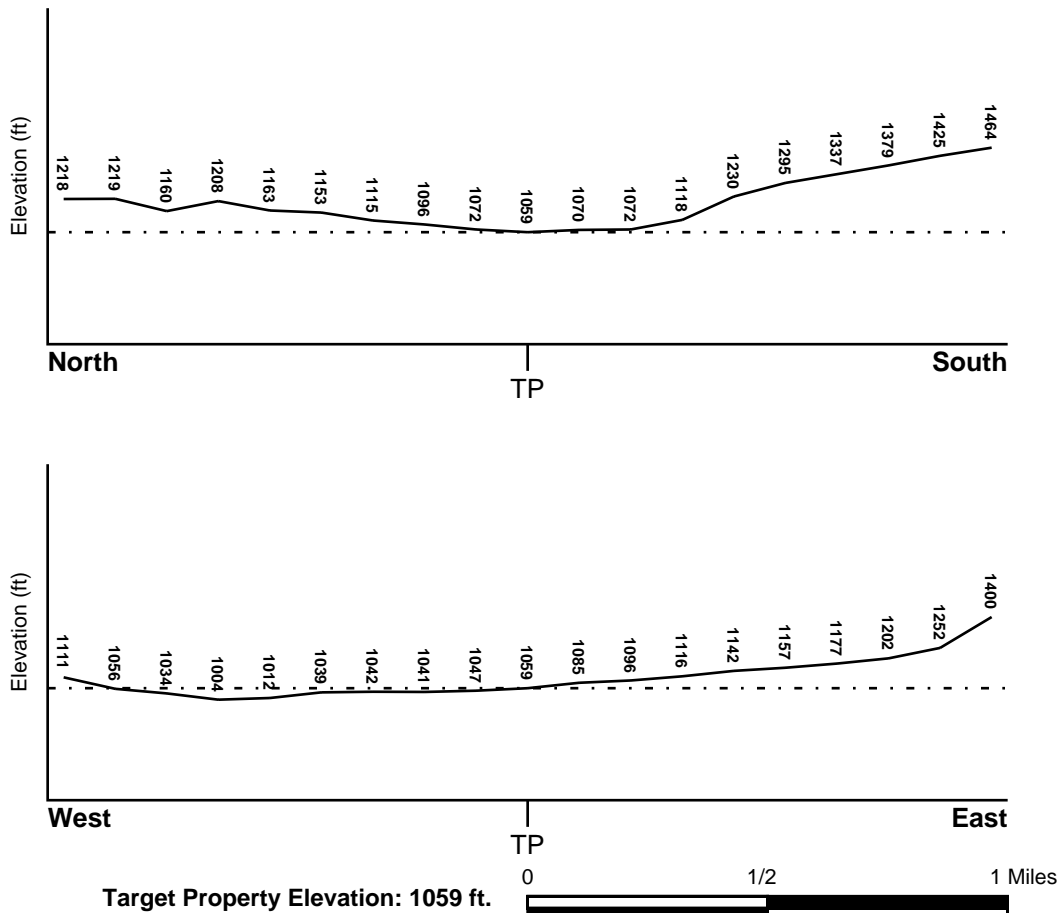
### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood</u>
COOS, NH	<u>Electronic Data</u>
	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
BERLIN	<u>Data Coverage</u>
	YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u>	<u>GENERAL DIRECTION</u>
Not Reported	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>



## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

Era: Paleozoic  
System: Ordovician  
Series: Ordovician volcanic rocks  
Code: Ov *(decoded above as Era, System & Series)*

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Volcanic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: BECKET

Soil Surface Texture: very stony - fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	2 inches	very stony - fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 3.60
2	2 inches	31 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 3.60
3	31 inches	65 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.60 Min: 0.06	Max: 7.30 Min: 5.10

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: very stony - sandy loam  
unweathered bedrock

Surficial Soil Types: very stony - sandy loam  
unweathered bedrock

Shallow Soil Types: silt loam  
fine sandy loam

Deeper Soil Types: gravelly - loamy sand  
loamy sand  
unweathered bedrock  
fine sandy loam  
very gravelly - coarse sand  
very cobbly - loamy sand

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS2091096	1/4 - 1/2 Mile East
A4	USGS2091095	1/4 - 1/2 Mile East
B5	USGS2090875	1/4 - 1/2 Mile NNE
B6	USGS2090880	1/4 - 1/2 Mile NNE
B7	USGS2090879	1/4 - 1/2 Mile NNE
B8	USGS2090884	1/2 - 1 Mile NNE
B9	USGS2090888	1/2 - 1 Mile NNE
B10	USGS2090887	1/2 - 1 Mile NNE
B11	USGS2090883	1/2 - 1 Mile NNE
B12	USGS2090882	1/2 - 1 Mile NNE
B13	USGS2090889	1/2 - 1 Mile NNE
C14	USGS2090886	1/2 - 1 Mile NNE
C15	USGS2090896	1/2 - 1 Mile NNE
C16	USGS2090885	1/2 - 1 Mile NNE
C17	USGS2090898	1/2 - 1 Mile NNE
C18	USGS2090895	1/2 - 1 Mile NNE
C19	USGS2090897	1/2 - 1 Mile NNE
C20	USGS2090903	1/2 - 1 Mile NNE
C21	USGS2090894	1/2 - 1 Mile NNE
C22	USGS2090904	1/2 - 1 Mile NNE
C23	USGS2090892	1/2 - 1 Mile NNE
C24	USGS2090893	1/2 - 1 Mile NNE
C25	USGS2090891	1/2 - 1 Mile NNE
C26	USGS2090902	1/2 - 1 Mile NNE
C27	USGS2090900	1/2 - 1 Mile NNE
C28	USGS2090901	1/2 - 1 Mile NNE
29	USGS2090899	1/2 - 1 Mile NNE
C30	USGS2090905	1/2 - 1 Mile NNE
D31	USGS2091082	1/2 - 1 Mile SE
E34	USGS2091085	1/2 - 1 Mile ESE
F37	USGS2091063	1/2 - 1 Mile SSW
G39	USGS2091060	1/2 - 1 Mile South

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

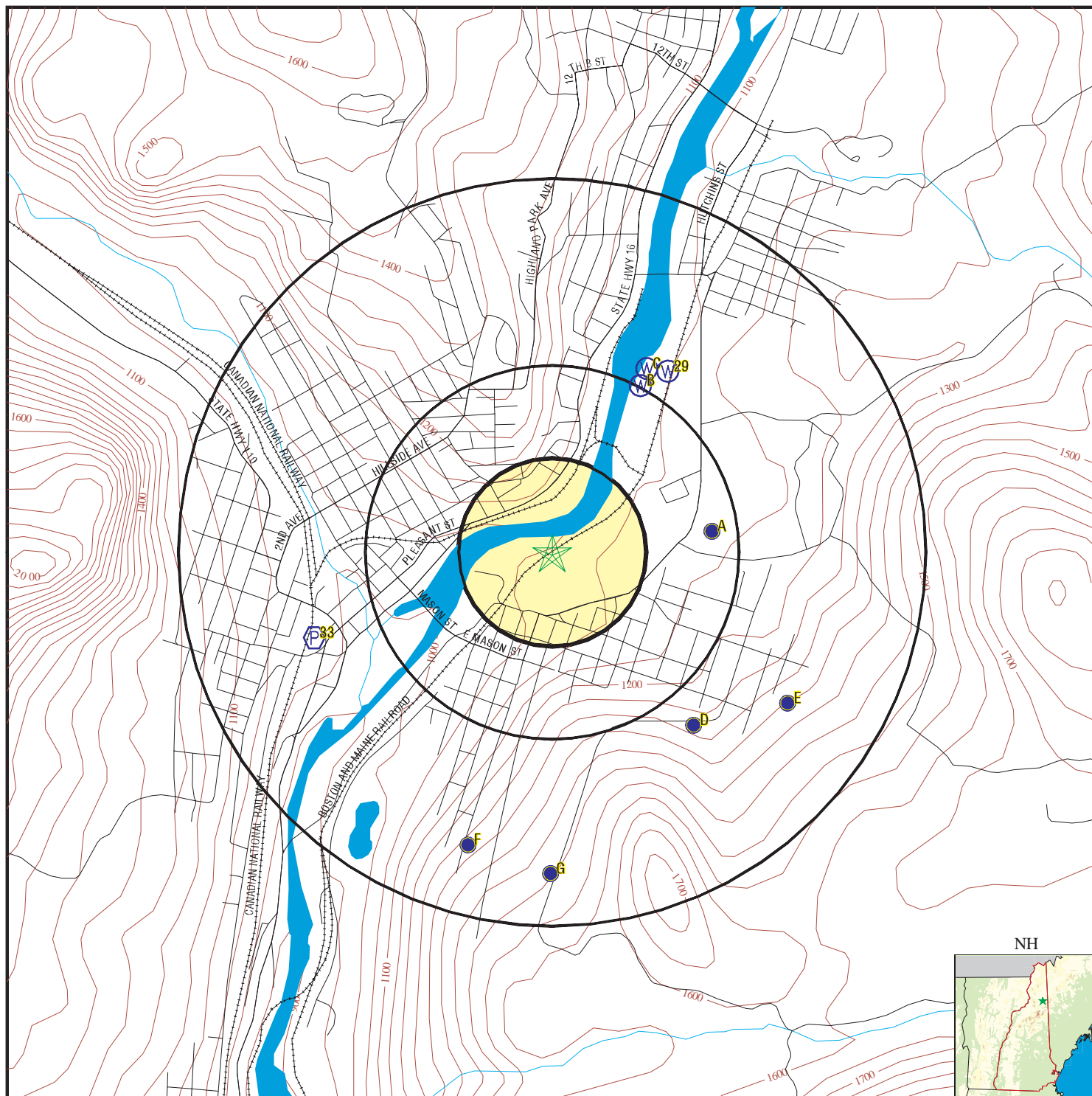
MAP ID	WELL ID	LOCATION FROM TP
33	NH0238010	1/2 - 1 Mile WSW

Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	NH10002854	1/4 - 1/2 Mile East
A3	NH10002846	1/4 - 1/2 Mile East
D32	NH10002829	1/2 - 1 Mile SE
E35	NH10002847	1/2 - 1 Mile ESE
F36	NH10002848	1/2 - 1 Mile SSW
G38	NH10002813	1/2 - 1 Mile South

# PHYSICAL SETTING SOURCE MAP - 1750448.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

0 1/4 1/2 1 Miles



SITE NAME: Burgess Mill  
 ADDRESS: Unity Street/Huchins Street  
 Berlin NH 03570  
 LAT/LONG: 44.4717 / 71.1722

CLIENT: Haley & Aldrich, Inc.  
 CONTACT: Katharine North  
 INQUIRY #: 1750448.2s  
 DATE: September 07, 2006 1:32 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**A1**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS USGS2091096**

Agency cd:	USGS	Site no:	442821071095101
Site name:	NH-BRW 48		
Latitude:	442821		
Longitude:	0710951	Dec lat:	44.4725583
Dec lon:	-71.16368778	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Upper Connecticut. New Hampshire, Vermont. Area = 1990 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19900000
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	STRATIFIED DEPOSITS, UNDIFFERENTIATED		
Well depth:	24.8	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	443304801
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A2**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**NH WELLS NH10002854**

Granitid:	0	Well:	1001-
Town Code:	024.0061	Elevation:	-9999
X Coord:	631198		
Y Coord:	0		
Fname:	Not Reported	Owner:	JAMES RIVER CO
Street #:	Not Reported	Road:	Not Reported
Town:	BERLIN	Map:	Not Reported
Parcel:	Not Reported	Date completed:	05/18/1990 00:00:00
Use:	Test/exploration	Reason Built:	Monitoring
Type:	6	Depth:	24.7999992370605
To Bedrock:	20	Casing:	-9999
Yield Test Meth:	Not Reported	Yield Test Dur:	-9999
Discharge:	-9999	Water Level:	-9999
Date Measured:	Not Reported	Water Quality	Not Reported
Overburden Matl:	Not Reported	Report Quality:	Good
Locent:	1	Locacc:	4
Note:	SN GP	Xnad83:	0
Ynad83:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**A3**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**NH WELLS NH10002846**

Granitid:	0	Well:	1001-249-88
Town Code:	024.0051	Elevation:	-9999
X Coord:	631222.1		
Y Coord:	0		
Fname:	Not Reported	Owner:	MTN CARBERRY LANDFILL
Street #:	Not Reported	Road:	MOUNTAIN CARBERRY
Town:	BERLIN	Map:	Not Reported
Parcel:	Not Reported	Date completed:	12/09/1988 00:00:00
Use:	Test/exploration	Reason Built:	Monitoring
Type:	6	Depth:	135.399993896484
To Bedrock:	-9999	Casing:	134.5
Yield Test Meth:	Not Reported	Yield Test Dur:	-9999
Discharge::	-9999	Water Level:	-9999
Date Measured:	Not Reported	Water Quality	Not Reported
Overburden Matl:	Till	Report Quality:	Fair
Locent:	1	Locacc:	4
Note:	SN GP	Xnad83:	0
Ynad83:	0		

**A4**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS USGS2091095**

Agency cd:	USGS	Site no:	442821071095001
Site name:	NH-BRW 40		
Latitude:	442821		
Longitude:	0710950	Dec lat:	44.4725583
Dec lon:	-71.16341	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Upper Connecticut. New Hampshire, Vermont. Area = 1990 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19880000
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	STRATIFIED DEPOSITS, UNDIFFERENTIATED		
Well depth:	135.4	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	443304801
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported  
Water quality data end date: Not Reported  
Ground water data begin date: Not Reported  
Ground water data count: Not Reported

Water quality data begin date: Not Reported  
Water quality data count: Not Reported  
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

**B5**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS USGS2090875**

Agency cd:	USGS	Site no:	442839071100301
Site name:	NH-BRW 82		
Latitude:	442839.26		
Longitude:	0711003.41	Dec lat:	44.47757222
Dec lon:	-71.16761389	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1093.68	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	16.4	Hole depth:	16.9
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B6**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS USGS2090880**

Agency cd:	USGS	Site no:	442840071100302
Site name:	NH-BRW 85		
Latitude:	442840.66		
Longitude:	0711003.82	Dec lat:	44.47796111
Dec lon:	-71.16772778	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	1096.56	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	CRYSTALLINE ROCKS		
Well depth:	36.5	Hole depth:	37.3
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B7**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS2090879**

Agency cd:	USGS	Site no:	442840071100301
Site name:	NH-BRW 81		
Latitude:	442840.71	Dec lat:	44.477975
Longitude:	0711003.77	Coor meth:	S
Dec lon:	-71.16771389	Latlong datum:	NAD83
Coor accr:	H	District:	33
Dec latlong datum:	NAD83	County:	007
State:	33	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported	Altitude method:	L
Altitude:	1098.93	Altitude datum:	NAVD88
Altitude accuracy:	.01		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	12.0	Hole depth:	12.6
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**B8**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090884**

Agency cd:	USGS	Site no:	442841071100301
Site name:	NH-BRW 91		
Latitude:	442841.59		
Longitude:	0711003.42	Dec lat:	44.47821944
Dec lon:	-71.16761667	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1100.54	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	15.1	Hole depth:	15.3
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B9**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090888**

Agency cd:	USGS	Site no:	442842071100302
Site name:	NH-BRW 90		
Latitude:	442842.34		
Longitude:	0711003.32	Dec lat:	44.47842778
Dec lon:	-71.16758889	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1098.74	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	15.3	Hole depth:	15.5
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B10**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2090887**

Agency cd:	USGS	Site no:	442842071100301
Site name:	NH-BRW 76		
Latitude:	442842.48		
Longitude:	0711003.47	Dec lat:	44.47846667
Dec lon:	-71.16763056	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1098.53	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	CRYSTALLINE ROCKS		
Well depth:	Not Reported	Hole depth:	56.0
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B11**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2090883**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	442841071100001
Site name:	NH-BRW 95		
Latitude:	442841.35		
Longitude:	0711000.35	Dec lat:	44.47815278
Dec lon:	-71.16676389	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1101.92	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	15.5	Hole depth:	15.7
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B12**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2090882**

Agency cd:	USGS	Site no:	442841071095901
Site name:	NH-BRW 97		
Latitude:	442841.24		
Longitude:	0710959.66	Dec lat:	44.47812222
Dec lon:	-71.16657222	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1098.80	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	12.0	Hole depth:	12.5
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported  
Water quality data end date: Not Reported  
Ground water data begin date: Not Reported  
Ground water data count: Not Reported

Water quality data begin date: Not Reported  
Water quality data count: Not Reported  
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

**B13**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090889**

Agency cd:	USGS	Site no:	442842071100303
Site name:	NH-BRW 92		
Latitude:	442842.65		
Longitude:	0711003.12	Dec lat:	44.47851389
Dec lon:	-71.16753333	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1098.73	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Outcrop		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	12.4	Hole depth:	12.5
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C14**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090886**

Agency cd:	USGS	Site no:	442842071100201
Site name:	NH-BRW 84		
Latitude:	442842.85		
Longitude:	0711002.91	Dec lat:	44.47856944
Dec lon:	-71.167475	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	1099.28	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	CRYSTALLINE ROCKS		
Well depth:	46.0	Hole depth:	46.0
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C15**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2090896**

Agency cd:	USGS	Site no:	442843071100201
Site name:	NH-BRW 79		
Latitude:	442842.93	Dec lat:	44.47859167
Longitude:	0711002.85	Coor meth:	S
Dec lon:	-71.16745833	Latlong datum:	NAD83
Coor accr:	H	District:	33
Dec latlong datum:	NAD83	County:	007
State:	33	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported	Altitude method:	L
Altitude:	1098.96	Altitude datum:	NAVD88
Altitude accuracy:	.01		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	10.5	Hole depth:	Not Reported
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**C16**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090885**

Agency cd:	USGS	Site no:	442842071100101
Site name:	NH-BRW 94		
Latitude:	442842.71		
Longitude:	0711001.21	Dec lat:	44.47853056
Dec lon:	-71.16700278	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1106.43	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	14.9	Hole depth:	15.2
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C17**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090898**

Agency cd:	USGS	Site no:	442843071100203
Site name:	NH-BRW 89		
Latitude:	442843.42		
Longitude:	0711002.49	Dec lat:	44.47872778
Dec lon:	-71.16735833	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1098.55	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	8.3	Hole depth:	8.3
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C18**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090895**

Agency cd:	USGS	Site no:	442843071100101
Site name:	NH-BRW 93		
Latitude:	442843.44		
Longitude:	0711001.48	Dec lat:	44.47873333
Dec lon:	-71.16707778	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1104.97	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	18.4	Hole depth:	18.7
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C19**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090897**



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	442843071100202
Site name:	NH-BRW 83		
Latitude:	442843.85		
Longitude:	0711002.14	Dec lat:	44.47884722
Dec lon:	-71.16726111	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1097.10	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	CRYSTALLINE ROCKS		
Well depth:	31.4	Hole depth:	31.4
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C20**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2090903**

Agency cd:	USGS	Site no:	442844071100201
Site name:	NH-BRW 75		
Latitude:	442843.85		
Longitude:	0711001.95	Dec lat:	44.47884722
Dec lon:	-71.16720833	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1097.47	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	CRYSTALLINE ROCKS		
Well depth:	Not Reported	Hole depth:	66.3
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported  
Water quality data end date: Not Reported  
Ground water data begin date: Not Reported  
Ground water data count: Not Reported

Water quality data begin date: Not Reported  
Water quality data count: Not Reported  
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

**C21**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090894**

Agency cd:	USGS	Site no:	442843071100003
Site name:	NH-BRW 80		
Latitude:	442843.48		
Longitude:	0711000.85	Dec lat:	44.47874444
Dec lon:	-71.16690278	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1105.18	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	22.7	Hole depth:	22.9
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C22**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090904**

Agency cd:	USGS	Site no:	442844071100202
Site name:	NH-BRW 78		
Latitude:	442844.01		
Longitude:	0711002.05	Dec lat:	44.47889167
Dec lon:	-71.16723611	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	1094.27	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	18.0	Hole depth:	Not Reported
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C23**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2090892**

Agency cd:	USGS	Site no:	442843071100001
Site name:	NH-BRW 73		
Latitude:	442843.48	Dec lat:	44.47874444
Longitude:	0711000.50	Coor meth:	S
Dec lon:	-71.16680556	Latlong datum:	NAD83
Coor accr:	H	District:	33
Dec latlong datum:	NAD83	County:	007
State:	33	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported	Altitude method:	L
Altitude:	1104.63	Altitude datum:	NAVD88
Altitude accuracy:	.01		
Hydrologic:	Not Reported		
Topographic:	Flood plain		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	42.1	Hole depth:	42.4
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**C24**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090893**

Agency cd:	USGS	Site no:	442843071100002
Site name:	NH-BRW 74		
Latitude:	442843.48		
Longitude:	0711000.46	Dec lat:	44.47874444
Dec lon:	-71.16679444	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1104.78	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	21.5	Hole depth:	Not Reported
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C25**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090891**

Agency cd:	USGS	Site no:	442843071095901
Site name:	NH-BRW 96		
Latitude:	442843.52		
Longitude:	0710959.90	Dec lat:	44.47875556
Dec lon:	-71.16663889	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1100.28	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	12.3	Hole depth:	13.0
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C26**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090902**

Agency cd:	USGS	Site no:	442844071100102
Site name:	NH-BRW 88		
Latitude:	442844.41		
Longitude:	0711001.71	Dec lat:	44.47900278
Dec lon:	-71.16714167	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1095.72	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	11.5	Hole depth:	11.9
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C27**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090900**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	442844071100001
Site name:	NH-BRW 98		
Latitude:	442844.38		
Longitude:	0711000.46	Dec lat:	44.47899444
Dec lon:	-71.16679444	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1103.97	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	CRYSTALLINE ROCKS		
Well depth:	49.7	Hole depth:	49.9
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C28**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2090901**

Agency cd:	USGS	Site no:	442844071100101
Site name:	NH-BRW 87		
Latitude:	442844.85		
Longitude:	0711001.35	Dec lat:	44.479125
Dec lon:	-71.16704167	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1097.67	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	13.4	Hole depth:	13.8
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported  
Water quality data end date: Not Reported  
Ground water data begin date: Not Reported  
Ground water data count: Not Reported

Water quality data begin date: Not Reported  
Water quality data count: Not Reported  
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

**29**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090899**

Agency cd:	USGS	Site no:	442844071095701
Site name:	NH-BRW 77		
Latitude:	442843.38		
Longitude:	0710957.38	Dec lat:	44.47871667
Dec lon:	-71.16593889	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1099.23	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	16.7	Hole depth:	Not Reported
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C30**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2090905**

Agency cd:	USGS	Site no:	442845071100101
Site name:	NH-BRW 86		
Latitude:	442845.29		
Longitude:	0711001.01	Dec lat:	44.47924722
Dec lon:	-71.16694722	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	1098.94	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	FILL		
Well depth:	15.7	Hole depth:	16.1
Source of depth data:	other reported	Project number:	2450AA000
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**D31  
SE  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS2091082**

Agency cd:	USGS	Site no:	442754071095401
Site name:	NH-BRW 24		
Latitude:	442754		
Longitude:	0710954	Dec lat:	44.4650586
Dec lon:	-71.1645211	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1290	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Upper Connecticut. New Hampshire, Vermont. Area = 1990 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19870000
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	280.0	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	443304801
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**D32**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**NH WELLS NH10002829**

Granitid:	0	Well:	1050-89-87
Town Code:	024.0029	Elevation:	1290
X Coord:	630966		
Y Coord:	0		
Fname:	R.	Owner:	POIRIER
Street #:	120	Road:	ENMAN HILL RD
Town:	BERLIN	Map:	132
Parcel:	95	Date completed:	07/14/1987 00:00:00
Use:	Domestic	Reason Built:	New
Type:	Drilled in bedrock	Depth:	280
To Bedrock:	15	Casing:	27
Yield Test Meth:	Compressed air	Yield Test Dur:	.25
Discharge::	1.5	Water Level:	-9999
Date Measured:	Not Reported	Water Quality	Not Reported
Overburden Matl:	Gravel	Report Quality:	Fair
Locent:	1	Locacc:	4
Note:	Not Reported	Xnad83:	0
Ynad83:	0		

**33**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FRDS PWS NH0238010**

PWS ID:	NH0238010	PWS Status:	Active
Date Initiated:	7706	Date Deactivated:	Not Reported
PWS Name:	SANBORN INN RT. 16 RIVERSIDE DR BERLIN, NH 03570		

Addressee / Facility: Mailing  
SANBORN INN  
RT. 16 RIVERSIDE DR.  
BERLIN, NH 03570

Facility Latitude:	44 28 06	Facility Longitude:	071 11 08
City Served:	Not Reported		
Treatment Class	Not Reported	Population:	Not Reported

PWS currently has or had major violation(s) or enforcement: No

**E34**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2091085**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	442757071093601
Site name:	NH-BRW 41		
Latitude:	442757		
Longitude:	0710936	Dec lat:	44.4658919
Dec lon:	-71.1595211	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1350	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Upper Connecticut. New Hampshire, Vermont. Area = 1990 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19890000
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	165.0	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	443304801
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**E35**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**NH WELLS      NH10002847**

Granitid:	0	Well:	381-745
Town Code:	024.0052	Elevation:	1350
X Coord:	632313.4		
Y Coord:	0		
Fname:	D.	Owner:	BLANCHETTE
Street #:	630	Road:	TRUDEL ST
Town:	BERLIN	Map:	132
Parcel:	45	Date completed:	03/20/1989 00:00:00
Use:	Domestic	Reason Built:	New
Type:	Drilled in bedrock	Depth:	165
To Bedrock:	14	Casing:	33
Yield Test Meth:	Compressed air	Yield Test Dur:	.5
Discharge::	10	Water Level:	-9999
Date Measured:	Not Reported	Water Quality	Not Reported
Overburden Matl:	Gravel	Report Quality:	Fair
Locent:	1	Locacc:	4
Note:	Not Reported	Xnad83:	0
Ynad83:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**F36**  
**SSW**  
**1/2 - 1 Mile**  
**Higher**

**NH WELLS NH10002848**

Granitid:	0	Well:	381-768
Town Code:	024.0053	Elevation:	1370
X Coord:	627789.6		
Y Coord:	0		
Fname:	O.	Owner:	RIENDEAU
Street #:	224	Road:	HILLSBORO ST
Town:	BERLIN	Map:	131
Parcel:	31	Date completed:	06/01/1989 00:00:00
Use:	Domestic	Reason Built:	New
Type:	Drilled in bedrock	Depth:	505
To Bedrock:	4	Casing:	15
Yield Test Meth:	Compressed air	Yield Test Dur:	.5
Discharge::	1	Water Level:	-9999
Date Measured:	Not Reported	Water Quality	Not Reported
Overburden Matl:	Clay	Report Quality:	Fair
Locent:	1	Locacc:	4
Note:	Not Reported	Xnad83:	0
Ynad83:	0		

**F37**  
**SSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2091063**

Agency cd:	USGS	Site no:	442737071103801
Site name:	NH-BRW 42		
Latitude:	442737		
Longitude:	0711038	Dec lat:	44.46033667
Dec lon:	-71.1767433	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	33
State:	33	County:	007
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	1370	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Upper Connecticut. New Hampshire, Vermont. Area = 1990 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19890000
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	505.0	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	443304801
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 1994-05-02  
 Ground water data begin date: 0000-00-00  
 Ground water data count: 0

Water quality data begin date: 1994-05-02  
 Water quality data count: 1  
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

**G38**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**NH WELLS      NH10002813**

Granitid:	0	Well:	381-261
Town Code:	024.0010	Elevation:	1440
X Coord:	628965.4		
Y Coord:	0		
Fname:	L.	Owner:	CLOUTIER
Street #:	505	Road:	ENMAN HILL RD
Town:	BERLIN	Map:	131
Parcel:	9	Date completed:	10/31/1984 00:00:00
Use:	Domestic	Reason Built:	New
Type:	Drilled in bedrock	Depth:	485
To Bedrock:	10	Casing:	20
Yield Test Meth:	Compressed air	Yield Test Dur:	.5
Discharge::	2.5	Water Level:	-9999
Date Measured:	Not Reported	Water Quality	Not Reported
Overburden Matl:	Clay	Report Quality:	Fair
Locent:	1	Locacc:	4
Note:	Not Reported	Xnad83:	0
Ynad83:	0		

**G39**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2091060**

Agency cd:	USGS	Site no:	442733071102201
Site name:	NH-BRW 8		
Latitude:	442733	Dec lat:	44.45922556
Longitude:	0711022	Coor meth:	M
Dec lon:	-71.17229889	Latlong datum:	NAD27
Coor accr:	S	District:	33
Dec latlong datum:	NAD83	County:	007
State:	33	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported	Altitude method:	M
Altitude:	1440	Altitude datum:	NGVD29
Altitude accuracy:	Not Reported		
Hydrologic:	Upper Connecticut. New Hampshire, Vermont. Area = 1990 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19840000
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	485.0	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	443304801
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

## **GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

Peak flow data count: Not Reported  
Water quality data end date: Not Reported  
Ground water data begin date: Not Reported  
Ground water data count: Not Reported

Water quality data begin date: Not Reported  
Water quality data count: Not Reported  
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## RADON

### AREA RADON INFORMATION

State Database: NH Radon

#### Radon Test Results

County	Num Results	Avg. Pci/L	Max. Pci/L	Pct. > 4 Pci/L	Pct. > 12 Pci/L
COOS	1,072	3.2	261.5	41.0	17.0

Federal EPA Radon Zone for COOS County: 2

Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for COOS COUNTY, NH

Number of sites tested: 85

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.730 pCi/L	73%	20%	8%
Basement	4.690 pCi/L	51%	38%	12%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### **State Wetlands Data: Wetlands Inventory**

Source: University of New Hampshire

Telephone: 603-862-1792

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### **PWS:** Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF:** Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells:** USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### **Public Water Supply Sources**

Source: Department of Environmental Services

Telephone: 603-271-3503

#### **Well Locations**

Source: University of New Hampshire, GRANIT

Telephone: 603-862-1792

## OTHER STATE DATABASE INFORMATION

### RADON

#### **State Database: NH Radon**

Source: Department of Health and Human Services

Telephone: 603-271-4610

Summary Table of Short-term Radon Test Results

#### **Area Radon Information**

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### **Airport Landing Facilities:** Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### **Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration



## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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**FILE COPY**

**REPORT ON  
ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT  
PULP AND PAPER OF AMERICA BURGESS MILL  
BERLIN, NEW HAMPSHIRE**

by

**Haley & Aldrich, Inc.  
Manchester, New Hampshire**

for

**Fraser Paper, Inc.  
Stamford, Connecticut**

**File No. 28701  
February 2002**

Haley & Aldrich, Inc.  
340 Granite Street, 3rd Floor  
Manchester, NH 03102-4004  
Tel: 603.625.5353  
Fax: 603.624.8307  
www.HaleyAldrich.com



4 March 2002  
File No. 28701

Fraser Paper, Inc.  
P.O. Box 1005  
70 Seaview Avenue  
Stamford, Connecticut 06904

Attention: Mr. William Erspamer

Subject: ASTM Phase I Environmental Site Assessment  
Pulp and Paper of America (Burgess Mill)  
Berlin, New Hampshire

Ladies and Gentlemen:

This report presents the results of a Phase I Environmental Site Assessment (Phase I) conducted at the above referenced property. This work was performed by Haley & Aldrich, Inc. (Haley & Aldrich) in accordance with our proposal to Fraser Paper, Inc. dated 18 February 2002 ("Agreement") as authorized by Fraser Paper, Inc. on 20 February 2002. As indicated in our proposal, this Phase I was conducted using practices consistent with the ASTM E 1527-00 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

The goal of this Phase I assessment was to evaluate site history, existing observable conditions, current site use, and current and former uses of surrounding properties to identify the potential presence of "Recognized Environmental Conditions (RECs)" at the site, as defined in the ASTM E 1527-00 Standard. Our conclusions regarding the presence and potential impact of RECs on the subject site are intended to help the user evaluate the "business environmental risk" associated with the site, as defined in the ASTM E 1527-00 Standard and discussed in the Introduction section of this report. In addition, the completion of this ASTM Phase I is intended to satisfy the "all appropriate inquiry" requirement for innocent landowner defense to CERCLA liability, as discussed in Appendix XI of the ASTM E 1527-00 Standard.

**OFFICES**

Boston  
Massachusetts

Cleveland  
Ohio

Dayton  
Ohio

Denver  
Colorado

Detroit  
Michigan

Hartford  
Connecticut

Los Angeles  
California

Newark  
New Jersey

Portland  
Maine

Rochester  
New York

San Diego  
California

Tucson  
Arizona

Washington  
District of Columbia

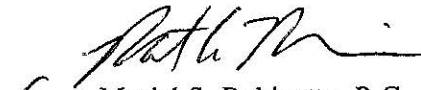
Fraser Paper, Inc.  
4 March 2002  
Page 2

Thank you for the opportunity to perform these services for you. Please do not hesitate to contact us at 603.625.5353 if you have any questions about this report.

Sincerely yours,  
HALEY & ALDRICH, INC.



W. James Griswold, CPG  
Senior Hydrogeologist

  
for Muriel S. Robinette, P.G.  
Senior Vice President

Enclosures

G:\28701-970\Berlin\Berlin.doc

## EXECUTIVE SUMMARY

Haley & Aldrich, Inc. has performed a Phase I Environmental Site Assessment of the Pulp and Paper of America Burgess Mill (Burgess Mill) property in the City of Berlin, New Hampshire. The scope of work is described and conditioned by our proposal dated 18 February 2002. As indicated in our proposal, this Phase I was performed in conformance with the scope and limitations of the ASTM E 1527-00 Standard. Exceptions to, or deletions from, this standard are described in Section I of this report. Our conclusions are intended to help the user evaluate the "business environmental risk" associated with the site, as defined in the ASTM E 1527-00 Standard and discussed in the Introduction section of this report.

The subject property occupies approximately 170 acres and is located in Berlin, New Hampshire. The property is currently owned by Pulp and Paper of America (PPA) and was formerly used for manufacturing of wood pulp for use in papermaking. Pulping activities were discontinued in September 2001 due to bankruptcy proceedings.

## RECOGNIZED ENVIRONMENTAL CONDITIONS

The goal of the ASTM E 1527-00 Standard practice is to identify Recognized Environmental Conditions (RECs), as defined in the Standard and in Section I of this report.

This assessment has revealed no evidence of recognized environmental conditions currently in connection with the property except for the following listed below.

The ASTM E 1527-00 Standard requires an opinion of the potential impacts of REC(s) identified on a site during a Phase I. Our opinion is rendered with respect to a REC's potential (high, medium, or low) to require remedial response based on prevailing agency requirements and on our understanding of Fraser Paper's intended use for this property. Our opinion is limited by the conditions prevailing at the time our work was performed and by the applicable regulatory requirements in effect.

Haley & Aldrich has ranked the REC's potential impact according to the following scheme:

- "Low" indicates a relatively stable environmental condition with action likely restricted to monitoring and/or minor actions;
- "Medium" indicates an environmental condition that would require invasive work to stabilize within relatively well-defined physical constraints; and,
- "High" indicates an environmental condition that would require both investigation and remedial action in order to stabilize.

### **Historic RECs,**

- **HREC #1:** A transformer in the Berlin Mill Wastewater Treatment Plant had released PCB containing oil to the subsurface, according to a 29 November 1999 letter report by Tighe & Bond to Pulp & Paper of America (PPA). Remediation of this area was reportedly conducted in September and October of 1999 by removing a total of approximately 10 cubic yards of soil. Confirmatory sampling indicated PCB



concentration was below laboratory detection limits at the termination of the excavation. *This is considered an historic REC.*

- **HREC #2:** Spill reports from the Berlin City Files available at NHDES indicate that reportable spills at the site have occurred since 1974 including petroleum products, sulfuric acid and glycol ether. These spills include:
  - 11,000 gallons of No. 6 oil were released to railroad tracks area near an Engineering Building on 23 December 1986. Remediation was conducted by placement of sawdust.
  - Between 600 and 1000 gallons of No. 6 oil were released in the center of the Mill yard on 10 January 1987. Excavated soil was apparently burned at the plant.
  - 5,000 gallons of No. 6 oils were released to the Androscoggin River on 27 October 1993.

*This is considered an historic REC.*

- **HREC #3:** Prior to installation of the process wastewater treatment plant in the 1970's, process waste was reportedly discharged directly to the Androscoggin River. In the Riverside Mill, waste was reportedly discharged directly to the ground or the Androscoggin River.

*This is considered an historic REC.*

- **HREC #4:** Review of a preliminary site map in the NHDES files indicated that PCB soil remediation had taken place in the center of the North Yard area. Documentation of cleanup results was available in a 27 October 1987 Interoffice communication from Dave Edelman to Ray Danforth, and this reported confirmatory samples containing concentrations of Aroclor 1260 PCBs in soil ranging from 0.4-2.2 ug/g (ppm). A soil sample collected in the vicinity in 1999 had a PCB concentration of 16.0 mg/kg (Tighe & Bond, 29 Nov. 1999). The area of reported remediation was not observed due to snow cover.

*This is considered an historic REC.*

- **HREC #5:** A 1996 report by Sevee & Maher Engineers, Inc. documented more than 200 potentially unpermitted discharge locations to the Androscoggin River. Many of these discharge points were reported as likely groundwater discharge points, however many of them were reportedly carrying discharge from unknown sources. Discussions with Tammie Lavoie of PPA indicate that each of these potentially unpermitted discharge locations was addressed either by closure, or determination that the discharge was originating from an off-site source.  
*This is considered an historic REC.*

## Low Risk RECs

- **REC #1:** Numerous areas of oily stains were observed on interior concrete floor slabs during the site visit, likely hydraulic oil from electrical motors. Staining observed at multiple motor/pump locations at several building locations. This includes stained concrete and residual oils near machines with hydraulic reduction drives / drip lubricating systems, greater than 18 inches in diameter. Many of these locations were on elevated (i.e. above ground surface) levels of the visited buildings, or were observed in areas where floor integrity appeared adequate to prevent migration of oils to the environment. *In combination, these areas are considered a low risk REC.*
- **REC #2:** Approximately 20 old vehicles, various pieces of large equipment, and approximately 20 drums were observed stored behind the Service Garage on unpaved ground. Most of the drums appeared empty, but some of the drums may contain a small amount of liquid. Several drums were inaccessible due to debris and machinery stored on top of upright drums. Snow cover and wet conditions prevented inspection of the ground surface. *This is considered a low risk REC.*
- **REC #3:** Approximately one quart of oil was observed in a bucket beneath an inactive transformer, and potential oil stains were observed on railroad ties beneath another inactive transformer located south of the Maintenance Shop. The transformers were all labeled as non-PCB (less than 50 ppm PCBs). Three racks of three/each inactive, apparently empty transformers were observed on their sides in the snow located southeast of the Maintenance Shop. Three of the transformers were labeled as non-PCB, and no labels could be observed on the other six transformers. *This is considered a low risk REC.*
- **REC #4:** Several areas containing solid waste (scrap metal, used railroad ties, abandoned equipment and empty steel drums) were observed around the North Yard area. *This is considered a low risk REC.*
- **REC #5:** Oil staining, apparently discharged from the tank vent, was observed on the side of the No. 6 fuel oil bulk storage tank that serves the Chemical Recovery Unit (CRU). While the bulk storage tank is provided with a paved berm, vegetation was observed growing through the berm, indicating incomplete containment integrity. Inspection of the bottom of the bermed area was prevented by snow cover. Oil staining was also observed inside the pump house for this bulk storage tank. *This is considered a low risk REC.*
- **REC #6:** The following exterior material loading/unloading or transfer areas were observed to have deteriorated pavement and indications of releases:
  - The "lime clump" roll-off dumpster area on the southern side of the Causticizing Plant had heavily deteriorated pavement and extensive accumulations of off-spec lime waste on the cracked pavement surfaces throughout the area, creating a high potential for subsurface impacts.



- Surface ponding of “heavy black liquor” residues and water were observed at the “heavy black liquor” storage tanks located on the northern side of the Demineralization Plant. While the liquids were actively being pumped into the plant drainage system, heavily cracked pavement in this area creates the potential for subsurface impacts.

*This is considered a low risk REC.*

- **REC #7:** An approximately 50’ to 60’ long section of No. 6 fuel oil supply piping is buried beneath the floor of the Demineralization Plant. The section of piping may be of 1960’s vintage and is reportedly single-walled, insulated with asbestos. There is no system to check the integrity of the buried piping. *This is considered a low risk REC.*
- **REC #8:** Heavy oil staining was observed in several interior areas at the Service Garage, including: a vehicle service pit, at a leaking tote formerly used to collect waste oil, and around several tanks and drums containing virgin oil products. Oil was observed leaking from a transformer in the “Hazardous Waste Vault”, collecting in an aluminum pan and surrounding absorbent pads. *This is considered a low risk REC.*
- **REC #9:** A 2,700-gallon gasoline aboveground storage tank (AST) and 1,800-gallon diesel AST are in use at the Service Garage for vehicle fueling. The tanks are located on unpaved ground and are not equipped with any means of secondary containment, creating the potential for releases during unloading and fueling activities. *This is considered a low risk REC.*
- **REC #10:** Heavy oil staining was observed on the deteriorated interior floor surface at the northern end of the Central Steam Building, beneath the fuel oil pumps. *This is considered a low risk REC.*
- **REC #11:** An unlabeled, overturned drum was observed along the northern property boundary just inside the chain link fence. This drum may be debris from the surrounding neighborhood and unrelated to the site. Staining or distressed vegetation could not be observed due to snow cover. *This is considered a low risk REC.*
- **REC #12:** An unlabeled drum was observed along the railroad tracks north of the #6 fuel oil AST. The drum appeared to be partially filled with liquid. Staining or distressed vegetation could not be observed due to snow cover. *This is considered a low risk REC.*

#### **Medium Risk RECs**

- **REC #13:** Residual fuel oil was observed on the ground inside the earthen berm of the No. 6 Fuel Oil AST (located on the west side of the river) that supplies fuel to the Central Steam Building. Oil staining and evidence of spills were also observed outside the bermed area at the fuel transfer area. The railroad unloading area adjacent to the AST could not be observed due to snow cover. *This is considered a medium risk REC.*



- **REC #14:** Observation of interior and exterior conditions, and interviews with the facility operator, indicate that the Railroad Repair Shop has a combination concrete floor slab and dirt floor. Hazardous materials and petroleum products used and stored in the building include hydraulic and lubricating oils, caustic liquid for equipment steam-cleaning and a self-contained ("Safety-Kleen") parts washer. The concrete floor slab is cracked and stained, and wash water reportedly drains into the ground in an area where oil, caustic cleaner and waste oils are stored and handled. Solid waste (household appliances, 2-gallon gasoline tank, discarded drums of unknown content) surround the building exterior. An oily sheen was observed in a puddle at northeast corner of the building, between the building and nearby railroad tracks. *This is considered a medium risk REC.*
- **REC #15:** The main parking lot near No. 2 Bleachery Building reportedly is underlain by ash from historical coal-fired boilers. *This is considered a medium risk REC.*
- **REC #16:** The Service Garage was reportedly built in the 1940's, however wastewater discharges were only tied into the plant's wastewater collection and treatment system when that system was built in the early 1970's. Unknown discharge points for wastewaters from the Service Garage may have occurred prior to tie-in. *This is considered a medium risk REC.*
- **REC #17:** Nine UST tank closures were conducted in the 1990's. Closure documents indicate only minor impacts to soil and groundwater, with impacted soil being removed to Mt. Carberry Landfill. One gasoline UST (tank #6) removed in 1990, was apparently located in the Service Garage Area. Impacted soil was removed and in a letter to DES, James River Corporation requested assistance in determination of remedial measures, however additional documentation was not available. Multiple petroleum USTs are listed as having been closed in the 1980's by UST inventories provided by PPA personnel. Records for these older closures were not available. *This is considered a medium risk REC.*

#### **High Risk RECs**

- **REC #18:** Review of preliminary analytical data provided by the NHDES indicates that the river has been a receptor for various constituents from the mill operations including mercury, dioxin and PCBs. Sediments from Sawmill Dam downstream to the vicinity of Cross Dam (located beyond the limits of the available Site base map) reportedly contain mercury at concentrations above risk-based standards, likely related to former Cell House operations. *This is considered a high risk REC.*
- **REC #19:** Interviews with Mr. Danforth and Mr. Ramsey and observations during our site visit indicated that floor drains are constructed of non-coated concrete, and that the drains were connected to the Site wastewater treatment plant (WWTP) in 1976. These drains potentially receive any releases of liquids, hazardous materials and petroleum products that occur within the majority of the visited buildings. Deteriorated concrete was observed in areas of corrosive chemical use. Deterioration of the wastewater collection system was reportedly documented by a video survey of

some or all of the collection system during a study commissioned by the site operator. No failures of the collection system were reported by site contacts, but the results of the video survey were not readily available for review. No piping diagrams or inspection records were reviewed for this assessment. *This is considered a high risk REC.*

- **REC #20:** Historical mill development included demolition of numerous buildings, including the Cell House, Floc Plant and Bermeco mill, over areas totaling several acres. It is reported that the majority of the demolition debris was backfilled into foundation holes. The nature of the demolition debris is unknown, but is reported to likely constitute solid waste and asbestos. *This is considered a high risk REC.*
- **REC #21:** While observed reports indicate that remediation of PCB-impacted soil has occurred at the T-1 Transformer Area, PCB-impacted soil, and groundwater contamination in bedrock and overburden are reported to be present. Four (4) unlabeled drums were observed outside the transformer area. One of the drums contained a small quantity of liquid, which appeared to be rainwater and snowmelt. The drums are not considered an REC. *The T-1 Transformer Area is considered a high risk REC.*

#### Offsite RECs

- **OSREC #1:** [Cell House Area/PPA Berlin Mill (DES #199709046)]: The Cell House Area is characterized by elevated concentrations of lead, free-phase mercury, and detectable concentrations of volatile organic compounds (VOCs). The presence of mercury in the subsurface of this adjacent property could impact the site due to the possibility of groundwater, surface water, or free-phase migration onto the site. Discharge to the river was observed in the vicinity of a swale assumed to be the southern extent of the Cell House grout curtain. Iron staining was observed at the point of discharge. To the extent that liability for impacts to the site by this off-site property is not strictly excluded in the land transaction agreement, it poses a high risk REC to the site.
- **OSREC #2:** [Former Research & Development (R&D) Building/PPA Berlin Mill (DES #200007033)]: Investigations at the Former R&D Building indicate elevated levels of PCBs in interior wipe samples and basement sump sediment samples. Samples collected from structural material of the building indicate elevated levels of PCBs, likely from a roof-mounted transformer and associated roof stormwater drainage. File reviews at the NHDES indicate PCBs might impact exterior soils in the vicinity of the R&D building. Groundwater collected from MW-East (adjacent to the R&D Building) indicated elevated concentration of chloroform. To the extent that liability for impacts to the site by this off-site property is not strictly excluded in the land transaction agreement, it poses a high risk REC to the site.
- **OSREC #3:** [Dummer Yard Landfill/PPA Berlin Mill (DES #870435)]: Past disposal of materials in this landfill, such as ash and lime wastes could present a risk to groundwater migrating on to the site. Evidence of other material such as tar with a high concentration of methyl ethyl ketone is also available (Letter dated 30 July 1996

from Crown Vantage to NHDES). To the extent that liability for impacts to the site by this off-site property is not strictly excluded in the land transaction agreement, it poses a high risk REC to the site.



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## LIST OF FIGURES

Figure No.	Title
1	Site Locus
2	Site Plan

## **I. INTRODUCTION**

### **1.01 Purpose**

This Phase I was performed in conformance with the scope and limitations of the ASTM E 1527-00 Standard. The purpose of this assessment was to evaluate site history, existing observable conditions, current site use, and current and historic uses of surrounding properties to identify the potential presence of Recognized Environmental Conditions (RECs) in connection with the subject site. RECs are defined by ASTM as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on a property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.” In addition, the Standard requires that historical RECs (HRECs) and known or suspect environmental conditions are identified in the Phase I report. The Standard defines historical RECs as environmental conditions “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.” The term “known or suspect environmental condition” is not specifically defined in the Standard, but is used by Haley & Aldrich to highlight environmentally-related information that is not anticipated to adversely affect the subject site and/or does not rise to the level of an REC.

Our conclusions are intended to help the user evaluate the “business environmental risk” associated with the site, defined by ASTM as “a risk which can have a material environmental or environmentally-driven financial impact on the business associated with the current or planned use of a parcel of commercial real estate. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.” In addition, the completion of this ASTM Phase I is intended to satisfy the “all appropriate inquiry” requirement for innocent landowner defense to CERCLA liability, as discussed in Appendix XI of the ASTM E 1527-00 Standard.

### **1.02 Site Identification**

The Pulp and Paper of America Burgess Mill (Burgess Mill) is located on Unity Street and Hutchins Street, with office buildings located across the Androscoggin River on Main Street. The property is currently owned by Pulp and Paper of America (PPA). The Burgess Mill site occupies approximately 170 acres and is developed as a pulping mill for the production of wood pulp for use in paper making. The site is located in Berlin, New Hampshire as shown on the Project Locus, Figure 1.

### **1.03 Detailed Scope of Services**

Haley & Aldrich performed the following detailed scope of services to complete our Phase I assessment:

1. Visual observations of site conditions, of representative onsite buildings, and of abutting property use, to evaluate the nature and type of activities that have been or are being conducted at and adjacent to the site, in terms of the potential for release or threat of release of hazardous substances or petroleum products.
2. Review of federal and state environmental database information within the ASTM-specified radii from the subject properties using a database service to access records. Use of 7.5-minute topographic maps to evaluate the site's physical setting.
3. Review of state environmental files pertaining to the subject site and nearby sites with the potential to impact the subject site.
4. Review of previous reports prepared for the subject site.
5. Review of the following sources of historical use information: Sanborn maps, aerial photographs, historical topographic maps, historical site plans and local historical society and library records.
6. Contacts with state and municipal agencies regarding the site and surrounding properties and structures.
7. Interviews with the Key Site Managers.
8. Interpretation of information and data assembled as a result of the above work tasks, and formulation of conclusions regarding the potential presence and impact of Recognized Environmental Conditions (RECs) as defined by the ASTM E 1527-00 Standard.

### **1.04 Non-Scope Considerations**

The ASTM E 1527-00 Standard includes the following list of "additional issues" that are non-scope considerations outside of the scope of the ASTM Phase I practice: Asbestos-Containing Materials, Radon, Lead-Based Paint, Lead in Drinking Water, Wetlands, Regulatory Compliance, Cultural and Historic Risks, Industrial Hygiene, Health and Safety, Ecological Resources, Endangered Species, Indoor Air Quality, and High Voltage Powerlines. These items were not included in our assessment of the property. In addition, an assessment for the presence of mold is not included in this Phase I.

A limited assessment of the presence of PCBs is included in the ASTM work scope. Accordingly, our assessment of the presence of PCBs is limited to those potential sources specified in the ASTM Standard as "electrical or hydraulic equipment known or likely to



contain PCBs...to the extent visually and or physically observed or identified from the interview or records review."

## **1.05 Exceptions and Deviations**

### **A. Exceptions**

Haley & Aldrich has completed this assessment in substantial conformance with ASTM E 1527-00. In our opinion, there were no exceptions made to the ASTM work scope, except as follows:

- The presence of 1 to 2 feet of snow over the ground surface and majority of paved areas prevented direct observation of the ground surface in most exterior areas.
- Poor illumination in many buildings due to the facilities shut-down status prevented clear observation of many areas. Accordingly, inspections of such representative areas were conducted using flashlights, limiting our observations of many interior conditions where wood dust (sawdust), flowing water, and general housekeeping (clutter) made some areas unobservable.
- Access to knowledgeable site contacts was limited due to layoffs of all but selected site personnel. Availability of remaining site personnel to answer questions was constrained due to work responsibilities.
- General time constraints of project schedule, considering the size of the property and physical plant, extent of site history and amount of potentially relevant documentation.
- Access limitations were encountered at some locations were as follows:
  - The northern buildings of the Riverside Mill complex of buildings were reportedly used in the manufacture of asbestos paper products and are contaminated with asbestos residue in many areas, according to site contacts. Accordingly, Haley & Aldrich did not enter many areas of these buildings for safety reasons.
  - Portions of the Maintenance Shop/Woods Department basement were inaccessible due to safety reasons. A hole was observed in the concrete floor with water rapidly running underneath, presumably a sluice for former sawmill operations. Areas of the basement, particularly beneath the Woods Department appeared hazardous due to crumbling brickwork, lack of lighting, and general debris.
  - A small building near the Former Chlorine Rail Offload Area was locked. Reportedly, nothing is housed or stored in the building.



## **B. Deviations**

With the exception of the following, we did not make additions to or deviate from the ASTM E 1527-00 Standard practice to complete this Phase I:

- A detailed description of building construction was not completed.
- An inventory of hazardous materials types, quantities and storage locations was not completed.
- A thorough review of permits and environmental operating records was not completed.
- A thorough review of historical documents for the subject site and surrounding properties, including aerial photos and city directories, was not completed. These documents were not readily ascertainable.

## **1.06 Limitations**

Our work for this project was performed generally consistent with the ASTM E 1527-00 Standard for Phase I Environmental Site Assessments. Several organizations other than ASTM, such as professional associations (e.g. ASFE and AGWSE) have also developed "guidelines" or "standards" for environmental site assessments. The Phase I presented herein is consistent with the ASTM E 1527-00 Standard, which may vary from the specific "guidelines" or "standards" required by other organizations.

This Report was prepared pursuant to an Agreement dated 20 February 2002 between Fraser Paper and Haley & Aldrich, which Agreement is attached hereto and is made a part of this Report. All uses of this Report are subject to, and deemed acceptance of, the conditions and restrictions contained in the Agreement. The observations and conclusions described in this Report are based solely on the Scope of Services provided pursuant to the Agreement. Haley & Aldrich has not performed any additional observations, investigations, studies or other testing not specified in the Agreement. Haley & Aldrich shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Agreement.

This Report is prepared for the exclusive use of Fraser Paper in connection with the acquisition of the Burgess Mill property. There are no intended beneficiaries other than Fraser Paper. Haley & Aldrich shall owe no duty whatsoever to any other person or entity on account of the Agreement or the Report. Use of this Report by any person or entity other than Fraser Paper for any purpose whatsoever is expressly forbidden unless such other person or entity obtains written authorization from Fraser Paper and from Haley & Aldrich. Use of this Report by such other person or entity without the written authorization of Fraser Paper and Haley & Aldrich shall be at such other person's or entity's sole risk, and shall be without legal exposure or liability to Haley & Aldrich.

Use of this Report by any person or entity, including by Fraser Paper, for a purpose other than for the acquisition of the Burgess Mill property is expressly prohibited unless such person or entity obtains written authorization from Haley & Aldrich indicating that the Report is adequate for such other use. Use of this Report by any person or entity for such other purpose without written authorization by Haley & Aldrich shall be at such person's or entity's sole risk and shall be without legal exposure or liability to Haley & Aldrich.

This report reflects site conditions observed and described by records available to Haley & Aldrich as of the date of report preparation. The passage of time may result in significant changes in site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the report. Accordingly, Fraser Paper and any other party to whom the report is provided recognize and agree that Haley & Aldrich shall bear no liability for deviations from observed conditions or available records after the time of report preparation.

Use of this Report by any person or entity in violation of the restrictions expressed in this Report shall be deemed and accepted by the user as conclusive evidence that such use and the reliance placed on this Report, or any portions thereof, is unreasonable, and that the user accepts full and exclusive responsibility and liability for any losses, damages or other liability which may result.

## **II. SITE DESCRIPTION**

### **2.01 Site Ownership and Location**

#### **A. Name of site owner**

Pulp and Paper of America  
650 Main Street  
Berlin, New Hampshire

#### **B. Name of site operator**

Pulp and Paper of America  
650 Main Street  
Berlin, New Hampshire

#### **C. Site locus map**

The USGS topographic map for the site is the Berlin, New Hampshire Quadrangle, dated 1989 (see Figure 1). The USGS topographic map was used as the source for site setting information. The site is located in Coos County.

### **2.02 Site and Vicinity Descriptions**

- The Burgess Mill site is approximately 170 acres in size. Figure 2 is a Site Plan of the subject properties, including relevant site and immediately adjoining property features.
- The Burgess Mill property is occupied by Pulp and Paper of America. The site is zoned Industrial/Business. Site operations currently include the production of wood pulp for shipment offsite for use in papermaking. This process involves the chipping of wood, digesting the wood chips (Kraft process of pulping), reducing, screening, and washing the pulp, and finally bleaching the pulp using chlorine dioxide. Pulping operations ceased in September 2001 due to bankruptcy proceedings. A minimum staff of fewer than 25 part-time employees remains at the facility to provide security, to maintain operation of the heating system, and to maintain pollution control systems.
- The buildings are heated by various means, including propane, electricity, and steam from the burning of oil and biomass. Fuel oil and waste oil is stored in above-ground storage tanks on the property. Office areas and some of the operator control rooms are cooled by air conditioning units. Electricity to the site is supplied by site-operated hydroelectric dam and generating turbines; additional electricity, if needed, can be supplied to the site by Public Service of New Hampshire. The site is served Berlin municipal water supply for potable water. Process wastewater is conveyed via trench drains to the site's Wastewater Treatment Plant, located approximately one mile south of the site. Sanitary wastes from toilets and sinks are conveyed to the municipal sanitary sewer line.

- The area in the vicinity of the subject properties is generally characterized as urban industrial, commercial and residential.
- The site is bordered as follows:

	<b>Burgess Mill (Main Site Area)</b>	<b>Administration &amp; Industrial Relations Buildings</b>	<b>Maintenance Shop</b>
<b>North</b>	Androscoggin River, Residential Properties	Berlin City Bank	Northern Forest Heritage Park (Historical Society)
<b>East</b>	Hutchins Street, Residential Properties, Dummer's Yard Landfill	St. Lawrence and Atlantic Railroad, Androscoggin River	Androscoggin River
<b>South</b>	Community Street, Coos Street, Hutchins Street, a city park, Residential Properties, Steve's Electronics (home-based electronics repair)	St. Lawrence and Atlantic Railroad, Androscoggin River	St. Lawrence and Atlantic Railroad, Former Research and Development Building, Optometrist
<b>West</b>	Androscoggin River	Main Street, Residential and Vacant Commercial Properties, Portland Glass	Northern Forest Heritage Park (Historical Society)

## 2.03 Physical Setting

Subsurface explorations were not performed for this evaluation; therefore site geology and hydrology were evaluated on the basis of readily-available public information or references, and/or based upon our experience and understanding of subsurface conditions in the Berlin area.

### A. Topography

Topographically, the Burgess Mill site is relatively flat and at an elevation of approximately 1081 feet MSL.

### B. Geologic Information

A review of the Bedrock Geology Map and Surficial Geology Map for the area indicated that the site vicinity is underlain by glacial till overburden deposits. The uppermost bedrock unit is mapped as biotite granite, a member of Late Ordovician Oliverian Plutonic Suite. The rock is described as a pink, variably metamorphosed biotite granite/gneiss.

### C. Ground Water and Surface Water Information

Based on surface topography, surface water at the site appears to flow west-northwest. Also based on topography, regional groundwater flow is anticipated to be

to the west, generally towards the Androscoggin River, located west of the Burgess Mill site. Hydrogeologic investigations were not performed on the site for this investigation; therefore, it is unknown to what extent localized variations in groundwater presence and flow occur on the site.

Due to project time constraints, a definitive determination of whether the site resides within a floodplain could not be made; however, its proximity to the Androscoggin River suggests that the site may be susceptible to flooding. The site is serviced by the municipal water supply system of the City of Berlin. There are several monitoring wells located on the property near the T-1 transformer. The nearest drinking water source that appears to be present in this area is a domestic water supply well, USGS Well No. 442754071095401, located approximately 0.5 mile southeast of the subject site. The well is at a higher elevation than, and appears to be upgradient from, the subject site. According to Mr. Roland Viens, the Berlin Water Works Superintendent, the site is not located within a local Aquifer Protection District. Mr. Viens was able to provide an action plan for protection of surface water in Berlin confirming this statement.



### **III. PREVIOUS REPORTS**

No previous Environmental Site Assessments for the Burgess Mill were reviewed. However, other files were reviewed, including a 29 November 1999 Letter Report by Tighe & Bond to PPA regarding Site Removal Actions, and a report assessing numerous unpermitted discharges by Sevee & Maher Engineers, dated August 1996. Other documents relative to the site are referenced as appropriate in following sections of this report.

## **IV. SITE HISTORY**

### **4.01 Past Usage of the Site**

Past usage of the site was assessed through a review of aerial photographs, historical topographic maps, historical site plans, local historical society and library records, Sanborn maps and through interviews with representatives of the current site owners. Copies of historical references reviewed are included in Appendix B.

A summary of the Burgess Mill site history is provided below. The site was first developed in 1852 as a sawmill. Pulping and papermaking activities began at the site in 1892. The site is currently used for pulping operations.

**1852:** Sawmill built for H. Winslow and Company.

**1866:** H. Winslow & Co. changed its name to the Berlin Mills Company.

**1892:** The Burgess Sulphite Fibre Company began papermaking at the site.

**1909:** Burgess Sulphite Fibre Co. (owned by W. W. Brown) merged with Berlin Mills Co.

**1910:** Kraft Mill began operations.

**1917:** Berlin Mills Co. became Brown Paper Company.

**1960s:** Sulphite mill closed.

**1970s:** Waste Water Treatment Plant built.

**1980:** James River Corporation took over operations.

**1995:** Crown Vantage Paper Company took over operations.

**1999:** Pulp and Paper of America took over operations.

#### **A. Sanborn Maps**

Sanborn maps for the site and vicinity dated 1905, 1909, 1914, 1920, 1928, 1950, and 1955 were reviewed. During this time period, the site was occupied by paper mills, including the Burgess Sulphite Fibre Company (1905), the Berlin Mills Company (1909 and 1914), and the Brown Company (1920 through 1955). Because of copyright restrictions, the Sanborn maps are not included in Appendix B.

#### **B. Aerial Photographs**

Attempts were made to review aerial photographs of the site and surrounding properties at local libraries, historical societies and agencies; however, aerial photos were not available, with the exception of a USGS photograph from 1999. This photograph shows the site as it is currently. An aerial photograph from 1971 and 1989 were viewed on site. 1971 building configuration is similar to the present with the notable exception of a large area of debris in what is now an open court-yard between Bleachery buildings. The 1989 photo shows this area was nearly cleaned of debris at that time.

### **C. Historical Topographic Maps**

Historical topographic maps for the site dated 1893, 1937, and 1942 were reviewed. The 1893 map shows the site undeveloped, although other records indicate that the site was developed several decades earlier. The 1937 and 1942 maps show the mill located onsite, consistent with other records.

### **D. Historical Site Plans**

Site plans dated 1899, 1911, c. 1920, 1923, and 1925 were reviewed. The 1899 plan shows oil tanks and boiler houses that may have used coal or oil. The 1911 plan shows a coal conveyor in the central portion of the site. The c. 1920 plan shows a tin shop in the same location as the Sanborn maps and a building marked "leather" in the same vicinity. The 1923 plan shows the location of drains to the Androscoggin River, including from the bleachery and other chemical areas. The 1928 plan shows sulphur and lime storage areas, a paint shop, and a lead smelter all located in the West Yard.

### **E. Historical Society and Library Records**

Records provided by the Northern Forest Heritage Park (Historical Society) and records obtained at the Berlin Public Library helped develop the timeline shown above. Records from the historical society also provided dates for the construction of various buildings and other construction at the site:

**1865:** Berlin Mills Railroad connected with St. Lawrence Atlantic Railroad

**1891:** Riverside Mill built.

**1897:** Window Frame Mill built.

**1902:** Chemical Plant built.

**1914:** No. 1 Tube Mill built.

**1917:** Heine Boiler Plant built.

**1918:** No. 2 Tube Mill built.

**1930:** New office building built (this may refer to the administration building)

## **4.02 Past Usage of Adjoining Properties**

Past usage of properties adjoining the site were assessed through a review of historical topographic maps and Sanborn maps.

### **A. Sanborn Maps**

Sanborn maps for the site and vicinity dated 1905, 1909, 1914, 1920, 1928, 1950, and 1955 were reviewed. All of the maps show a railroad yard and various industries located across the Androscoggin River, in the current location of the maintenance shop. The industries include a lumber shop, a window frame mill, a rubber goods manufacturer, and a gristmill. The 1950 and 1955 maps show a tin shop located north of the Administration Building, near the intersection of Main Street and Second Street. The 1909 and 1914 maps show a chemical plant associated with the Burgess



Sulphite Fibre Company located north of the mill site. Maps of the areas east of the mill show (1920 through 1955) show residential properties adjoining the mill property.

**B. Historical Topographic Maps**

Historical topographic maps for the site vicinity dated 1893, 1937, and 1942 were reviewed. The 1893 map shows the site and vicinity undeveloped, although other records indicate that the site was developed several decades earlier and surrounding properties likely were as well. The 1937 and 1942 maps show the site vicinity developed and very similar to current conditions.

## V. ENVIRONMENTAL RECORDS REVIEW

### 5.01 Standard Environmental Records Review

Haley & Aldrich utilized the electronic database service Environmental Data Resources, Inc., to complete the environmental records review. The database search was used to identify properties that may be listed in the referenced Agency records, located within the ASTM-specified search radii indicated below:

- NPL sites: ..... 1 mile
- CERCLIS sites:..... 0.5 mile
- CERCLIS NFRAP sites..... Site and Adjoining
- Federal ERNS: .....Site only
- RCRA non-CORRACTS TSD facilities: ..... 0.5 mile
- RCRA CORRACTS TSD facilities: ..... 1 mile
- RCRA Generators:..... Site & Adjoining
- State Hazardous Waste Sites: ..... 1 mile
- Registered Underground Storage Tanks: ..... Site & Adjoining
- State Landfills and Solid Waste Disposal Sites: ..... 0.5 mile
- State Leaking Underground Storage Tanks: ..... 0.5 mile

Because of the size of the site, the search radii were increased by 0.5 mile. Following is a summary of information provided for each of the above-listed databases. The complete environmental database report is provided in Appendix C.

#### A. NPL Sites

The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for clean-up by the US Environmental Protection Agency (USEPA).

- The subject site is not listed on the NPL List.
- The database search did not identify NPL sites within a one-mile radius of the subject site.

#### B. CERCLIS Sites

The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites which are suspected to have contamination and require additional investigation to assess if they should be considered for inclusion on the NPL.

- The subject site is not listed on the CERCLIS List.
- The database search did not identify CERCLIS sites within a one-half mile radius of the subject site.

**C. CERCLIS-NFRAP Sites**

CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in February 1995 because, after an initial investigation was performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.

- The subject site is not listed on the CERCLIS-NFRAP List.
- The database search did not identify CERCLIS-NFRAP sites adjacent to the subject site.

**D. Federal ERNS List**

The Federal Emergency Response Notification System (ERNS) list tracks information on reported releases of oil and hazardous materials.

- The subject site is not identified on the Federal ERNS list. However, the offices, located at 650 Main Street, are included. It appears likely that the office address was provided instead of the mill location since correspondence would be sent to that address. No other information (such as EPA identification numbers or the nature of the releases is included in the database report. Other information on releases at the site (obtained from NHDES files) is included in Section 5.02.

**E. RCRA non-CORRACTS TSD Facilities**

The Resource Conservation and Recovery Act (RCRA) non-CORRACTS TSD Facilities List tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.

- The subject site is not listed as a RCRA non-CORRACTS TSD facility.
- The database search did not identify RCRA non-CORRACTS TSD facilities within a one-half mile radius of the subject property.

**F. RCRA CORRACTS TSD Facilities**

The RCRA CORRACTS TSD Facilities list catalogues facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.

- The subject site is not listed as a RCRA CORRACTS TSD facility.
- The database search did not identify RCRA CORRACTS TSD facilities within a one-mile radius of the subject property.

#### G. RCRA Generators

The RCRA Generator list is maintained by the USEPA to track facilities that generate hazardous waste.

- The Burgess Mill site is listed as a Large Quantity RCRA Hazardous Waste Generator. According to the database search report, the following wastes were disposed of in 1999:

Waste Code	Description of Waste	Quantity (Pounds)
D001	Ignitable	1
D002	pH < 2 or pH > 12.5	12
D007	Chromium	0
D009	Mercury	327

The search report also indicates that three violations exist at the site from Compliance Evaluation Inspections (CEIs). One of the violations is listed as a high priority violation relating to Land Ban Requirements, possibly from improper disposal at the Dummer's Yard or Mt. Carberry Landfills. Information obtained from a review of files at the New Hampshire Department of Environmental Services (NHDES) is included in Section 5.02.

The railway and hydro station located at 650 Main Street are listed as Small Quantity RCRA Hazardous Waste Generators. No information about the types of waste produced was included and no violations were listed.

- Properties adjoining the subject site are not listed as RCRA Generators.

#### H. State Sites and State Spill Sites

The State Sites and State Spill Sites lists are maintained by NHDES to track sites where releases of oil or hazardous materials have occurred.

- The subject site is not listed as State Sites or State Spill Sites. However, Former Crown Vantage, 650 Main Street (199709046, A) is listed as a State Hazardous Waste Site. No other information related to the listing is provided in the database search report. Information about the site obtained from a review of NHDES files is included in Section 5.02.
- The database search identified four State Sites and State Spill Sites within a one-mile radius of the subject sites.

All four of the sites identified are located on the opposite side of the Androscoggin River from the subject site. Based on the surface topography, it does not appear likely that any of these sites have the potential to adversely affect groundwater at the subject site. However, three of the State Sites are



located upriver from the Burgess Mill site, which is situated on the river. Of these, two are closed sites and therefore do not appear to have the potential to adversely impact the Burgess Mill site. Information obtained from the database search report is discussed below regarding the one remaining site is discussed below while information obtained from a review of NHDES files is included in Section 5.02. The NHDES identification number and database search report map ID number are provided in parentheses.

[Former Research and Development Building, 961 Main Street (200007033, 38)]: The former Research and Development building was listed as a State Hazardous Waste Site, but no information was given regarding the reason for listing the site or the type of chemicals present.

#### **I. Registered Underground Storage Tanks (USTs)**

The NHDES maintains a list of registered USTs.

- The subject site is not listed on the registered UST list. According to on-site personnel, there are no USTs currently at the site, although evidence of previously removed USTs was obtained during the site visit and interviews. UST closure information was provided by PPA personnel and is included in Appendix C.
- There is no property adjacent to the subject site listed on the registered UST list.

#### **J. State Landfills and Solid Waste Disposal Sites**

- The database search did not identify Solid Waste Disposal Sites within a one-half mile radius of the subject site. However, the Dummer's LF site, located adjacent to the subject site to the northeast, is known to be a Solid Waste Disposal Site (NHDES # 870435). Information obtained from a review of NHDES files is included in Section 5.02.

#### **K. State Leaking Underground Storage Tanks**

The Leaking Underground Storage Tank (LUST) sites list is maintained by NHDES.

- The subject site is not listed on the LUST list.
- The database search identified three LUST sites within a one-half-mile radius of the subject site.

[Blanchette's Garage, 300 Coos Street (198904028, D24)]: The Blanchette's Garage site is located approximately 0.25 mile west or northwest of the subject sites, across the Androscoggin River. Three gasoline USTs and one diesel UST are reported to have been removed from the site in 1988 and 1994. A fifth gasoline UST, constructed of corrosion protected double-wall

steel with fiberglass piping was reportedly installed in 1988. Information obtained from a review of NHDES files is included in Section 5.02.

[Cumberland Farms #2835, 173 Main Street (199309002, B18)]: The Cumberland Farms site is located approximately 0.25 mile west or northwest of the subject site across the Androscoggin River. Five USTs were reportedly removed from the site in 1993 and 1994. The site is listed as a closed site and is therefore not likely to pose an environmental risk to the subject site.

[Leon's Garage, 325 Main Street (199601016, 13)]: The Leon's Garage site is located approximately 0.25 mile west or northwest of the subject site across the Androscoggin River. Three USTs were reportedly removed from the site in 1995. Information obtained from a review of NHDES files is included in Section 5.02. Because of the location of this site across the river, it does not appear likely to have the potential to adversely impact the subject site.

## **5.02 Additional Environmental Records Review**

In conformance with ASTM, inquiry was made with representatives of the agencies described below and with the user of this Phase I.

### **A. Board of Health**

According to an inquiry made on our behalf by Mrs. Sue Tremblay, Assessor for the City of Berlin, the Berlin Board of Health does not maintain records on the subject site.

### **B. Fire Department**

Fire department incident reports were reviewed from 1990 to 2002. The following table summarizes chemical spill incidents at the Burgess Mill:

Date	Type of Spill/Leak	Volume (Estimated)	Location	Action Taken
9/12/90	"Sewerage and chemicals"	No estimate made	Behind The Big Apple, from a pipeline leading to the WWTP	Contacted Bob DeLisle the next morning
5/10/93	Oil	No estimate made	"Behind green storage tank"	James River Co. monitored
5/17/95	Fuel, possibly kerosene	No estimate made	Leak from piping near power house into river	None
10/23/95	Oil	No estimate made	Oil slick in river	Placed absorbent pads in river, Crown Vantage monitored
1/4/00	Alkali Liquid #1719	1,000 gallons	Burgess Yard white liquor tank	Contained, pumped back into tank after repairing leak

Mr. Lee Dube of the Berlin Fire Department indicated that there were no records relating to underground storage tanks at the site. Mr. Dube also was not aware of petroleum or other aboveground storage tank (AST) notifications, although these records were obtained from the Gorham Fire Department.

Records reviewed at the Gorham Fire Department pertaining to the subject site included a chemical index (most current dated June 2001) and associated material safety and data sheets (MSDS), chemical and petroleum storage tank inventory lists (most current 7 January 2002), and PCB inventory lists (most current 10 January 2002). These records contained information for the Burgess Mill (subject site) and Cascade Paper Mill in Gorham, New Hampshire, in each index and list, so it was impossible to ascertain which information applied to the subject site, with the exception of the PCB inventory list and the petroleum storage tank inventory list. The PCB records indicated that there are 18 PCB transformers, 6 PCB contaminated transformers, and 43 PCB capacitors at the subject site. Storage tank records listed 35 petroleum storage tanks at the site, containing #2 fuel oil, #6 fuel oil, waste oil, diesel fuel, lube oil, hydraulic oil, kerosene, and unleaded gasoline. Tanks and PCB transformers are described in more detail in the Site Visit Observations section, Section 6.02. See Appendix C for records included from the Gorham Fire Department.

#### **C. User-Provided Information**

The ASTM Standard requires disclosure in the Phase I report whether the user of the report has specialized knowledge about previous ownership or uses of the property that may be material to identifying RECs, or whether the user has determined that the property's Title contains environmental liens or other information related to environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations, as defined by ASTM. In addition, we are required by the ASTM Standard to inquire whether the user of the report has prior knowledge that the price of the property has been reduced for environmentally-related reasons. As of this report preparation, Haley & Aldrich has not been informed by the user that there are liens or other information about the environmental condition of the property in the Title. In addition, the user has not indicated specialized knowledge about previous ownership or uses of the property that may be material to identifying RECs, and has not indicated that the price of the property has been reduced for environmentally-related reasons.

#### **D. New Hampshire Department of Environmental Services**

New Hampshire Department of Environmental Services files were reviewed for the subject site and nearby sites with the potential to impact the subject site. The results of the file reviews are summarized below.

[Blanchette's Garage, 300 Coos Street, (DES #198904028)]: The Blanchette's Garage site is a LUST site located approximately 0.125 miles southeast (apparent upgradient) of the subject site. An August 2001 Site Investigation report prepared by Aries



Engineering, Inc. of Concord, New Hampshire recommended groundwater monitoring with natural attenuation. Inferred risk to the Site is low.

[Red's Mobil, 879 Main Street (DES #199707018)]: The Red's Mobil site is a LUST site located upgradient of the Administration Building at 650 Main Street. Site groundwater exceeds New Hampshire Ambient Groundwater Quality Standards (AGQS). The NHDES-approved remedy is a Groundwater Management Permit (GMP) with monitoring. The inferred risk to the subject site is low.

[Irving Oil Corporation, 9 Pleasant Street (DES #024-92041)]: The Irving Oil Corporation is a former UST facility located south to southwest of the subject site and appears to be downgradient. A 27 June 2001 Level II Site Investigation Addendum indicated that site soils contain polycyclic aromatic hydrocarbons (PAHs) at concentrations above NH S-1 standards. The report infers that the PAHs are due to the presence of "railroad coke" likely present in on-site fill. Evidence of free product petroleum was reported at two monitoring well locations during December 1999, April 2001 and June 2001. No PAHs or volatile organic compounds (VOCs) were detected in groundwater during an April 2001 sampling event.

[Norge Village Laundry / IGA Plaza, 19 Pleasant Street (DES #198910067)]: The Norge Village Laundry site is a State Hazardous Waste Site located southwest of the subject site. It appears to be in a down-gradient location. Groundwater monitoring is required due to concentrations of tetrachloroethene and trichloroethene slightly greater than AGQS. Groundwater monitoring was allowed by the State without the renewal of the GMP. The inferred risk to the subject site is low.

[Cell House Area/PPA Berlin Mill (DES #199709046)]: The Cell House Area is characterized by elevated concentrations of lead, free-phase mercury, and detectable concentrations of volatile organic compounds (VOCs). The presence of mercury in the subsurface of this adjacent property could impact the site due to the possibility of groundwater, surface water, or free-phase migration onto the site.

[Former Research & Development (R&D) Building/PPA Berlin Mill (DES #200007033)]: Investigations at the Former R&D Building indicate elevated levels of PCBs in interior wipe samples and basement sump sediment samples. Samples collected from structural material of the building indicate elevated levels of PCBs, likely from a roof-mounted transformer and associated roof stormwater drainage. File review at the NHDES indicate PCBs might impact exterior soils in the vicinity of the R&D building. Groundwater collected from MW-East (adjacent to the R&D Building) indicated elevated levels of chloroform.

[Unpermitted Discharge Assessment for Crown Vantage Facilities in Berlin, Gorham, Success and Shelburne, New Hampshire, By Sevee & Maher Engineers, August 1996]: Sevee & Maher Engineers documented numerous pipes and outlets to the Androscoggin River, many of them flowing, that were not included under the Facility's discharge permits. They concluded that:



- No unpermitted process wastewater discharges from Crown Vantage [were] occurring to surface waters...;
- Potential unpermitted discharges [were] occurring at 120 locations;
- Stormwater runoff from pipes and overland flow [did] occur...with water derived from Crown Vantage and municipal sources; and
- A majority of pipes noted discharging... were most likely carrying groundwater that has infiltrated old, abandoned pipelines.

In an addendum to the above report, dated November 1996, Sevee & Maher Engineers concluded that, "Potential precipitation impacted unpermitted discharges [were] occurring at 96 locations.

#### E. Environmental Permits

The following is a list of environmental permits. Additional documentation is included in Appendix C. Air permits were not separated by facility. Each permit may apply to either or both mills (Cascade and Burgess).

Type of Permit	Permit Number	Expiration Date	Device Description
Air Stationary Source Permit	PO-B-1805	5/31/2004	Boiler #1/CE #6 Oil
	PO-B-1806	5/31/2004	Boiler #2/BW # 6 Oil
	PO-B-1807	5/31/2004	Boiler #3/ZN # 6 Oil
	PO-B-1808	5/31/2004	Boiler #4/CB # 6 Oil
	PO-B-1809	5/31/2004	Boiler #9/CE # 6 Oil
	PO-B-1810	5/31/2004	Boiler #12/ZN # 6 Oil
	PO-B-1811	5/31/2004	Boiler #14/ZN # 6 Oil
	PO-B-1811	5/31/2004	Boiler #14/ZN Bark
	PO-B-1827	5/31/2004	Emerg. Diesel/Cat 603
	PO-B-2003	5/31/2004	Pump Diesel/CMM 380 HP
	PO-B-2005	5/31/2004	Temp Boiler/CB #6 Oil
	PO-BP-2644	5/31/2004	Recovery Unit #11/#6
	PO-BP-2644	5/31/2004	Recovery Unit #11/BW
	PO-BP-2645	5/31/2004	Smelt Tank
	PO-BP-2647	5/31/2004	Lime Kiln #2/#6 Oil
	PO-BP-2647	5/31/2004	Lime Kiln #2/ADTUP
Groundwater Release Detection Permit	GWP-900911-B-002	8/19/2002	Burgess Mill Lagoons
National Pollutant Discharge Elimination System Permit	NH0000655	unknown	Surface Water Discharge from Wastewater Treatment Plant

## **SITE RECONNAISSANCE AND KEY PERSONNEL INTERVIEW(S)**

A site visit to observe site conditions was conducted by Boyd P. Smith, Douglas C. Allen, James F. Limbrunner, and Thomas J. Benedict of Haley & Aldrich, Inc. on 20 and 21 February 2002 and again on 27 February 2002 with RPF Associates. Access to the site was provided by Pulp & Paper of America (PPA). Haley & Aldrich personnel observed accessible representative interior areas of the site buildings and selected exterior areas.

Interviews with Michael Perrault and Francis (Frank) Ramsey of PPA as the Key Site Managers were performed in conjunction with the site reconnaissance. The findings of the site visit and interviews are discussed below. Site photographs are included in Appendix D, and interview documentation is included in Appendix E.

The following conditions limited Haley & Aldrich personnel from a thorough site inspection:

- Limited time to perform site inspection of the Berlin Mill Area.
- Much of the exterior portions of the property were covered in snow or ice, preventing observations of ground staining, stressed vegetation, etc.
- Poor lighting, debris, standing water, physical obstructions, and hazardous conditions (asbestos, physical hazards) prevented inspection of many interior areas.
- Perimeter of the site was not inspected on foot, but by public way.

Interviews with Raymond Danforth, formerly of PPA, and Jerry Lavoie, Service Mechanic with PPA, were performed in conjunction with the site reconnaissance. The findings of the site visit and interviews are discussed below. Interview documentation is included in Appendix E.

ASTM Section 9.8 requires that, prior to the site visit, the current site owner or Key Site Manager and user, if different from the current owner or Key Site Manager, be asked if there are any helpful documents that can be made available for review. These consist of environmental site assessment reports, audits, permits, tank registrations, Material Safety Data Sheets, Community Right-to-Know plans, safety plans, hydrogeologic or geotechnical reports, or hazardous waste generator reports. We made such a request and were provided with the following documents:

- Toxic Release Inventory lists
- Tier II hazardous waste inventory lists
- Spill reports
- 1990 SPCC Plan

### **5.03 Current Uses of the Property**

The property is currently not in active use. Operations including log processing, pulp manufacture, washing, and bleaching were shutdown in September 2001. A minimum staff of

fewer than 25 part-time employees remains at the facility to provide security, to maintain operation of the heating system, and to maintain pollution control systems.

#### **5.04 Site Visit Observations**

##### **A. General Description of Structures**

The buildings that make up the site are generally comprised of turn of the century construction material. Brick, large cinder block, steel frame, concrete, and woodframe (smaller structures) are the common materials used for buildings housing the pulp processing machines and supporting processes.

Sub-grade construction varies from full-basement foundations to slab-on-grade or dirt floors. Bedrock outcrops were observed in the basements of the Industrial Relations Building and Administration Building.

##### **B. Heating and Cooling System**

Heating systems across the site vary. Many buildings are heated with steam generated from burning fuel oil, black liquor, and wood chips, although gas-fired ceiling-mounted space heaters were observed in many of plant buildings. Some of the smaller non-process structures (such as the Scale House) are heated with fuel oil.

Window- or wall-mounted air conditioning units were observed in some office areas.

##### **C. Potable Water Supply and Sewage Disposal System or Septic Systems**

Potable water and sanitary wastewater service is provided by the City of Berlin municipal water and waste water system. Process wastewater is treated at the on-site wastewater treatment facility located approximately 1 mile south of the main Burgess Mill.

##### **D. Use of Petroleum Products and Hazardous Materials**

Various types of lubricants and hydraulic oils are used in the pulp processing machines and machine shops throughout the plant. These lubricants and oils are generally stored in 55-gallon drums or 275-gallon totes.

A partial list of petroleum products and hazardous materials observed during the site walkover includes:

- Hydraulic oil
- Motor oil
- Dielectric oil
- Compressor oil
- Fuel oil
- Gear oil or general lubricating oil



- Synthetic lubricant
- Used lubrication oil
- "Safety Clean"-type degreasing solvent
- Diesel fuel
- Hydrogen peroxide
- Sulfuric acid
- Phosphoric acid
- Sodium hydroxide
- Chlorine dioxide
- Caustic lime, (Calcium hydroxide)
- Quick lime, (Calcium oxide)
- Liquor (white, black, green) associated with pulp production
- Ammonia
- Potassium Iodide

**E. Storage of Petroleum Products and Hazardous Materials (Storage Tanks, Drums)**

Various lubricants and oils are used throughout the facility associated with pulp processing. In general, lubricants and oils are stored in 55-gallon drums or 275-gallon totes. Numerous electric motors and compressors are used throughout the facility, each with small reservoirs of lubricating oil.

A small laboratory area was observed in the Chlorine Dioxide Plant (off the No. 1 Bleachery).

Twelve (two metal, three plastic) unlabeled drums were observed outside the bailed pulp storage building. Reportedly, three of the plastic drums contain various quantities (approximately one third to one quarter full) of non-toxic antifreeze, used in the "chiller" to cool process water in the summer months.

Two unlabeled drums partially filled with liquid were observed in the Receiving Building. Generally wet conditions inside the Receiving Building (leaking roof) did not allow adequate inspection of the floor slab for staining underneath the drums.

Above ground storage tank (AST) and former underground storage tank (UST) locations are shown on Figure 2. Reportedly, no in-service USTs remain at the site.

**F. Disposal of Petroleum Products and Hazardous Materials**

An inventory of petroleum products and hazardous material disposal practices was not completed.

**G. Hydraulic Elevators**

An inventory of hydraulic elevator locations was not completed. Hydraulic lifting mechanisms noted during the site walkover include:

- Minor staining was observed on Baled Pulp Storage Building hydraulic loading docks.
- Hydraulic lift equipment at the Chip Unload Dumpers. Staining was not observed beneath the hydraulic mechanisms, although wood chips obscured the ground surface and access was limited.

#### **H. Vehicle Maintenance Lifts**

No vehicle maintenance lifts were observed during the site walk-over.

#### **I. Emergency Generators and Sprinkler System Pumps**

No inventory was performed.

#### **J. PCBs Associated with Electrical or Hydraulic Equipment**

- The T-1 Transformer Substation area has been characterized and partially remediated for PCBs in soil. Soil, rock, and groundwater in this area are reportedly impacted, and investigation of potential discharge points of PCB impacted groundwater to the Androscoggin River is pending.
- Substation #1 contained two transformers with a blue non-PCB containing stickers.
- Substation #2 contained eight transformers with blue non-PCB containing stickers. One transformer labeled to be containing PCBs, and one unlabeled transformer. According to site personnel, transformers are inspected quarterly.
- An inactive transformer substation, housing one transformer with a blue non-PCB containing sticker was observed in the North Yard area.
- Reportedly, PCB remediation by excavation was conducted in an area of the North Yard.
- Two transformers were observed at the Maintenance Shop/Woods Department Building. These transformers are located on a concrete pad with no secondary containment and located approximately 20 feet from the river bank. They appeared to be non-PCB containing.
- Eleven transformers (nine large, one medium, one pole mount) are stored on lumber and steel rails located south of the Maintenance Shop/Woods Department Building. A bucket containing approximately 1 quart of oil was observed under one of the large transformers. All transformers were marked with blue non-PCB containing stickers.

- Three racks of three transformers laid horizontally were observed southeast of the Maintenance Shop/Woods Department Building. One rack of three transformers had blue non-PCB containing stickers. No labels were observed on the other two racks.
- A former heat exchanger using PCB containing oil as the heat transfer fluid was reportedly present in the Central Steam Building. This building is presently marked as containing PCBs.
- Three transformers were observed in the Service Garage "Hazardous Waste Vault". Leaking oil was observed beneath one transformer, with drippings collected in an aluminum pan and absorbent pads. No floor drains or cracks in the concrete floor slab were observed in the Vault.

**K. Floor Drains and Sumps**

Numerous floor drains and sumps were observed. All of these reportedly discharge to the process water collection system. A few sumps are equipped for continuous monitoring of conductivity. In the event of high conductivity detection, water in the sump is diverted to a spill tank. This water is then reportedly transferred the Chemical Recovery Unit (CRU).

**L. Catch Basins**

Numerous catch basins were observed. All of these reportedly discharge to the process water collection system.

**M. Dry Wells**

No dry wells were observed or reported with the exception of the reported drainage system at the Riverside Mill. Apparently this building's drainage system is not connected to the process wastewater handling system. Liquids from this area reportedly were discharged to the ground or directly to the river.

**N. Pits, Ponds, Lagoons, and Pools of Liquid**

Waste water aeration lagoons are used for secondary treatment of process waste water. The lagoons are reportedly lined with clay. A one-million gallon emergency detention pond is constructed near the wastewater treatment facility, and has been used at least once during a power failure emergency. The lining of this pond is unknown.

Grease pits are used for vehicle maintenance in the Railroad Repair Shop and the Maintenance Shop.

A puddle with an oily sheen was observed outside the Railroad Repair Shop. A sheen was also observed on an area of standing water was observed adjacent to Log Storage

Area. This sheen may have been the result of iron bacteria or other organic activity related to submerged wood chips.

Other pools of water were observed at various locations within the Kraft Mill Area, the Caustics Area, the Bleacherys, and other locations.

**O. Odors**

Petroleum odors were discerned in the central shop area and other maintenance facilities. A slight ammonia odor was observed in the demineralization plant. Odors associated with pulp processing were present in the screen rooms and various Kraft Mill buildings.

**P. Stains or Corrosion on Floors, Walls, or Ceilings**

Staining and/or corrosion was observed in most process locations on floors, walls, and equipment pads including mineral deposits, oily stains, and apparent liquor stains. Deterioration of concrete was evident in many locations within the Kraft Mill Area. Standing and flowing water prevented observation of floor conditions in several locations. A layer of lime in the Caustics Area prevented observation of floor conditions in that area. Lack of general housekeeping (clutter, debris, wood chips/dust) prevented observation of floor conditions in many locations.

**Q. Stained Soil or Pavement**

Soil and pavement could not generally be observed due to snow and ice cover.

**R. Stressed Vegetation**

Stressed vegetation could not be observed during the site walkover due to snow cover.

**S. Solid Waste and Evidence of Waste Filling**

Waste filling was observed north of the Railroad Repair Shop. Solid waste (discarded appliances, machinery parts, and debris) was observed around the Railroad Repair Shop. Other solid waste was observed in the vicinity of the Maintenance Shop, and within inactive areas of the Kraft Mill Area. Large quantities of demolition debris, decommissioned tanks, and apparent asbestos containing materials were observed in the basement of the Riverside Mill.

Mr. Danforth indicated that demolition debris was used throughout the site including fill for former building foundations. Historic fill material reportedly also included ash from coal and wood burning.

**T. Wastewater and Stormwater Discharge**

Sanitary wastewater is discharged through the sanitary waste water system to the City of Berlin Public Owned Treatment works. Process water and other liquids are



collected in a system of floor drains and trenches and conveyed to the onsite wastewater treatment facility. Stormwater is collected in a system of drains and conveyed to the onsite wastewater treatment facility.

**U. Monitoring, Water Supply, or Irrigation Wells**

Monitoring wells are reportedly located in the T-1 transformer area, Service Garage area, and the Maintenance Shop area.

**V. Sanitary Sewer and Septic Systems**

Sanitary wastewater reportedly is collected in the sanitary sewer system and conveyed to the City of Berlin's Publicly Owned Wastewater Treatment Facility.

**W. Other**

Asbestos containing material was observed at locations in the Kraft Mill area and in the Riverside Mill area.

RPF Associates inspected areas of the site including, the River Side Mill basement, Central Steam Plant and boiler area in the Kraft Mill. Results of the preliminary survey are included in Appendix F.



## VI. FINDINGS AND CONCLUSIONS

Haley & Aldrich, Inc. has performed a Phase I Environmental Site Assessment of the Burgess Mill property in the City of Berlin, New Hampshire. The scope of work is described and conditioned by our proposal dated 18 February 2002. As indicated in our proposal, this Phase I was performed in conformance with the scope and limitations of the ASTM E 1527-00 Standard. Exceptions to, or deletions from, this standard are described in Section I of this report. Our conclusions are intended to help the user evaluate the "business environmental risk" associated with the site, as defined in the ASTM E 1527-00 Standard and discussed in the Introduction section of this report.

### RECOGNIZED ENVIRONMENTAL CONDITIONS

The goal of the ASTM E 1527-00 Standard practice is to identify Recognized Environmental Conditions (RECs), as defined in the Standard and in Section I of this report.

This assessment has revealed no evidence of recognized environmental conditions currently in connection with the property except for the following listed below.

The ASTM E 1527-00 Standard requires an opinion of the potential impacts of REC(s) identified on a site during a Phase I. Our opinion is rendered with respect to an REC's potential (high, medium, or low) to require remedial response based on prevailing agency requirements and on our understanding of Fraser Paper's intended use for this property. Our opinion is limited by the conditions prevailing at the time our work was performed and by the applicable regulatory requirements in effect.

Haley & Aldrich has ranked the REC's potential impact according to the following scheme:

- "Low" indicates a relatively stable environmental condition with action likely restricted to monitoring and/or minor actions;
- "Medium" indicates an environmental condition that would require invasive work to stabilize within relatively well-defined physical constraints; and,
- "High" indicates an environmental condition that would require both investigation and remedial action in order to stabilize.

### Historic RECs

- **HREC #1:** A transformer in the Berlin Mill Wastewater Treatment Plant had released PCB containing oil to the subsurface, according to a 29 November 1999 letter report by Tighe & Bond to Pulp & Paper of America (PPA). Remediation of this area was reportedly conducted in September and October of 1999 by removing a total of approximately 10 cubic yards of soil. Confirmatory sampling indicated PCB concentration was below laboratory detection limits at the termination of the excavation. *This is considered an historic REC.*
- **HREC #2:** Spill reports from the Berlin City Files available at NHDES indicate that reportable spills at the site have occurred since 1974 including petroleum products, sulfuric acid and glycol ether. These spills include:

- 11,000 gallons of No. 6 oil were released to railroad tracks area near an Engineering Building on 23 December 1986. Remediation was conducted by placement of sawdust.
- Between 600 and 1000 gallons of No. 6 oil were released in the center of the Mill yard on 10 January 1987. Excavated soil was apparently burned at the plant.
- 5,000 gallons of No. 6 oils were released to the Androscoggin River on 27 October 1993.

*This is considered an historic REC.*

- **HREC #3:** Prior to installation of the process wastewater treatment plant in the 1970's, process waste was reportedly discharged directly to the Androscoggin River. In the Riverside Mill, waste was reportedly discharged directly to the ground or the Androscoggin River.

*This is considered an historic REC.*

- **HREC #4:** Review of a preliminary site map in the NHDES files indicated that PCB soil remediation had taken place in the center of the North Yard area. Documentation of cleanup results was available in 27 October 1987 Interoffice Communication from Dave Edelman to Ray Danforth, and this reported confirmatory samples containing concentrations of Aroclor 1260 PCBs in soil ranging from 0.4-2.2 ug/g (ppm). A soil sample collected in the vicinity in 1999 had a PCB concentration of 16.0 mg/kg (Tighe & Bond, 29 Nov. 1999). The area of reported remediation was not observed due to snow cover.

*This is considered an historic REC.*

- **HREC #5:** A 1996 report by Sevee & Maher Engineers, Inc. documented more than 200 potentially unpermitted discharge locations to the Androscoggin River. Many of these discharge points were reported as likely groundwater discharge points, however many of them were reportedly carrying discharge from unknown sources. Discussions with Tammie Lavoie of PPA indicate that each of these potentially unpermitted discharge locations were addressed either by closure, or determination that the discharge was originating from an off-site source.

*This is considered an historic REC.*

#### **Low Risk RECs**

- **REC #1:** Numerous areas of oily stains were observed on interior concrete floor slabs during the site visit, likely hydraulic oil from electrical motors. Staining observed at multiple motor/pump locations at several building locations. This includes stained concrete and residual oils near machines with hydraulic reduction drives / drip lubricating systems, greater than 18 inches in diameter. Many of these locations were

on elevated (i.e. above ground surface) levels of the visited buildings, or were observed in areas where floor integrity appeared adequate to prevent migration of oils to the environment. *In combination, these areas are considered a low risk REC.*

- **REC #2:** Approximately 20 old vehicles, various pieces of large equipment, and approximately 20 drums were observed stored behind the Service Garage on unpaved ground. Most of the drums appeared empty, but some of the drums may contain a small amount of liquid. Several drums were inaccessible due to debris and machinery stored on top of upright drums. Snow cover and wet conditions prevented inspection of the ground surface. *This is considered a low risk REC*
- **REC #3:** Approximately one quart of oil was observed in a bucket beneath an inactive transformer, and potential oil stains were observed on railroad ties beneath another inactive transformer located south of the Maintenance Shop. The transformers were all labeled as non-PCB (less than 50 ppm PCBs). Three racks of three/each inactive, apparently empty transformers were observed on their sides in the snow located southeast of the Maintenance Shop. Three of the transformers were labeled as non-PCB, and no labels could be observed on the other six transformers. *This is considered a low risk REC.*
- **REC #4:** Several areas containing solid waste (scrap metal, used railroad ties, abandoned equipment and empty steel drums) were observed around the North Yard area. *This is considered a low risk REC.*
- **REC #5:** Oil staining, apparently discharged from the tank vent, was observed on the side of the No. 6 fuel oil bulk storage tank that serves the Chemical Recovery Unit (CRU). While the bulk storage tank is provided with a paved berm, vegetation was observed growing through the berm, indicating incomplete containment integrity. Inspection of the bottom of the bermed area was prevented by snow cover. Oil staining was also observed inside the pump house for this bulk storage tank. *This is considered a low risk REC.*
- **REC #6:** The following exterior material loading/unloading or transfer areas were observed to have deteriorated pavement and indications of releases:
  - The “lime clump” roll-off dumpster area on the southern side of the Causticizing Plant had heavily deteriorated pavement and extensive accumulations of off-spec lime waste on the cracked pavement surfaces throughout the area, creating a high potential for subsurface impacts.
  - Surface ponding of “heavy black liquor” residues and water were observed at the “heavy black liquor” storage tanks located on the northern side of the Demineralization Plant. While the liquids were actively being pumped into the plant drainage system, heavily cracked pavement in this area creates the potential for subsurface impacts.

*This is considered a low risk REC.*



- **REC #7:** An approximately 50' to 60' long section of No. 6 fuel oil supply piping is buried beneath the floor of the Demineralization Plant. The section of piping may be of 1960's vintage and is reportedly single-walled, insulated with asbestos. There is no system to check the integrity of the buried piping. *This is considered a low risk REC.*
- **REC #8:** Heavy oil staining was observed in several interior areas at the Service Garage, including: a vehicle service pit, at a leaking tote formerly used to collect waste oil, and around several tanks and drums containing virgin oil products. Oil was observed leaking from a transformer in the "Hazardous Waste Vault", collecting in an aluminum pan and surrounding absorbent pads. *This is considered a low risk REC.*
- **REC #9:** A 2,700-gallon gasoline above ground storage tank (AST) and 1,800-gallon diesel AST are in use at the Service Garage for vehicle fueling. The tanks are located on unpaved ground and are not equipped with any means of secondary containment, creating the potential for releases during unloading and fueling activities. *This is considered a low risk REC.*
- **REC #10:** Heavy oil staining was observed on the deteriorated interior floor surface at the northern end of the Central Steam Building, beneath the fuel oil pumps. *This is considered a low risk REC.*
- **REC #11:** An unlabeled, overturned drum was observed along the northern property boundary just inside the chain link fence. This drum may be debris from the surrounding neighborhood and unrelated to the site. Staining or distressed vegetation could not be observed due to snow cover. *This is considered a low risk REC.*
- **REC #12:** An unlabeled drum was observed along the railroad tracks north of the #6 fuel oil AST. The drum appeared to be partially filled with liquid. Staining or distressed vegetation could not be observed due to snow cover. *This is considered a low risk REC.*

#### **Medium Risk RECs**

- **REC #13:** Residual fuel oil was observed on the ground inside the earthen berm of the No. 6 Fuel Oil AST (located on the west side of the river) that supplies fuel to the Central Steam Building. Oil staining and evidence of spills were also observed outside the bermed area at the fuel transfer area. The railroad unloading area adjacent to the AST could not be observed due to snow cover. *This is considered a medium risk REC.*
- **REC #14:** Observation of interior and exterior conditions, and interviews with the facility operator, indicate that the Railroad Repair Shop has a combination concrete floor slab and dirt floor. Hazardous materials and petroleum products used and stored in the building include hydraulic and lubricating oils, caustic liquid for equipment steam-cleaning and a self-contained ("Safety-Kleen") parts washer. The concrete floor slab is cracked and stained, and wash water reportedly drains into the ground in an area where oil, caustic cleaner and waste oils are stored and handled. Solid waste (household appliances, 2-gallon gasoline tank, discarded drums of unknown content)

surround the building exterior. An oily sheen was observed in a puddle at northeast corner of the building, between the building and nearby railroad tracks. *This is considered a medium risk REC.*

- **REC #15:** The main parking lot near No. 2 Bleachery Building reportedly is underlain by ash from historical coal-fired boilers. *This is considered a medium risk REC.*
- **REC #16:** The Service Garage was reportedly built in the 1940's, however wastewater discharges were only tied into the plant's wastewater collection and treatment system when that system was built in the early 1970's. Unknown discharge points for wastewaters from the Service Garage may have occurred prior to tie-in. *This is considered a medium risk REC.*
- **REC #17:** Nine UST tank closures were conducted in the 1990's. Closure documents indicate only minor impacts to soil and groundwater, with impacted soil being removed to Mt. Carberry Landfill. One gasoline UST (tank #6) removed in 1990, was apparently located in the Service Garage Area. Impacted soil was removed and in a letter to DES, James River Corporation requested assistance in determination of remedial measures, however additional documentation was not available. Multiple petroleum USTs are listed as having been closed in the 1980's by UST inventories provided by PPA personnel. Records for these older closures were not available. *This is considered a medium risk REC.*

#### High Risk RECs

- **REC #18:** Review of preliminary analytical data provided by the NHDES indicates that the river has been a receptor for various constituents from the mill operations including mercury, dioxin and PCBs. Sediments from Sawmill Dam downstream to the vicinity of Cross Dam (located beyond the limits of the available Site base map) reportedly contain mercury at concentrations above risk-based standards, likely related to former Cell House operations. *This is considered a high risk REC.*
- **REC #19:** Interviews with Mr. Danforth and Mr. Ramsey and observations during our site visit indicated that floor drains are constructed of non-coated concrete, and that the drains were connected to the Site wastewater treatment plant (WWTP) in 1976. These drains potentially receive any releases of liquids, hazardous materials and petroleum products that occur within the majority of the visited buildings. Deteriorated concrete was observed in areas of corrosive chemical use. Deterioration of the wastewater collection system was reportedly documented by a video survey of some or all of the collection system during a study commissioned by the site operator. No failures of the collection system were reported by site contacts, but the results of the video survey were not readily available for review. No piping diagrams or inspection records were reviewed for this assessment. *This is considered a high risk REC.*
- **REC #20:** Historical mill development included demolition of numerous buildings, including the Cell House, Flocc Plant and Bermeco mill, over areas totaling several



acres. It is reported that the majority of the demolition debris was backfilled into foundation holes. The nature of the demolition debris is unknown, but is reported to likely constitute solid waste and asbestos. *This is considered a high risk REC.*

- **REC #21:** While observed reports indicate that remediation of PCB-impacted soil has occurred at the T-1 Transformer Area, PCB-impacted soil, and groundwater contamination in bedrock and overburden are reported to be present. Four (4) unlabeled drums were observed outside the transformer area. One of the drums contained a small quantity of liquid, which appeared to be rainwater and snowmelt. The drums are not considered an REC. *This T-1 Transformer Area is considered a high risk REC.*

#### Offsite RECs

- **OSREC #1:** [Cell House Area/PPA Berlin Mill (DES #199709046)]: The Cell House Area is characterized by elevated concentrations of lead, free-phase mercury, and detectable concentrations of volatile organic compounds (VOCs). The presence of mercury in the subsurface of this adjacent property could impact the site due to the possibility of groundwater, surface water, or free-phase migration onto the site. Discharge to the river was observed in the vicinity of a swale assumed to be the southern extent of the Cell House grout curtain. Iron staining was observed at the point of discharge. To the extent that liability for impacts to the site by this off-site property is not strictly excluded in the land transaction agreement, it poses a high risk REC to the site.
- **OSREC #2:** [Former Research & Development (R&D) Building/PPA Berlin Mill (DES #200007033)]: Investigations at the Former R&D Building indicate elevated levels of PCBs in interior wipe samples and basement sump sediment samples. Samples collected from structural material of the building indicate elevated levels of PCBs, likely from a roof-mounted transformer and associated roof stormwater drainage. File reviews at the NHDES indicate PCBs might impact exterior soils in the vicinity of the R&D building. Groundwater collected from MW-East (adjacent to the R&D Building) indicated elevated concentration of chloroform. To the extent that liability for impacts to the site by this off-site property is not strictly excluded in the land transaction agreement, it poses a high risk REC to the site.
- **OSREC #3:** [Dummer Yard Landfill/PPA Berlin Mill (DES #870435)]: Past disposal of materials in this landfill, such as ash and lime wastes could present a risk to groundwater migrating on to the site. Evidence of other material such as tar with a high concentration of methyl ethyl ketone is also available (Letter dated 30 July 1996 from Crown Vantage to NHDES). To the extent that liability for impacts to the site by this off-site property is not strictly excluded in the land transaction agreement, it poses a high risk REC to the site.

## **VII. CREDENTIALS**

This report was prepared by Douglas Allen, Tom Benedict, Nathaniel Keith, Jim Limbrunner, and Boyd Smith, under the direct supervision of James Griswold and Muriel Robinette, who served as the Project Manager and Officer-in-Charge of this project, respectively. Qualification information for the project personnel is provided below.

### **Douglas C. Allen**

Mr. Allen is a staff hydrogeologist with Haley & Aldrich with nearly four years experience in Phase I environmental site assessments, subsurface investigation, and municipal waste water disposal. Previous projects have included work on residential and commercial properties, landfills, and several large industrial facilities. He holds a master's degree in geology.

### **Thomas J. Benedict**

Mr. Benedict is a Certified Professional Environmental Auditor (CPEA) through the Bureau of Environmental Auditor Certifications (BEAC) and has over nine years of experience in environmental due diligence assessments and subsurface investigations, environmental health and safety compliance auditing, and industrial hygiene monitoring and management. Environmental site assessment and subsurface investigation experience includes work throughout the United States at sites including the following: fossil fuel-fired, hydroelectric, and nuclear power plants, chemical manufacturers, aerospace industry manufacturers, auto industry manufacturers, machine shops, printing shops, gasoline service stations, and commercial and office facilities.

### **Nathaniel G. Keith**

Mr. Keith is an environmental engineer with Haley & Aldrich with one year of experience. He has conducted several Phase I Environmental Site Assessments in accordance with the ASTM 1527-00 Standard for commercial entities, including industrial, residential, and retail properties in Vermont, New Hampshire, and Massachusetts. These site assessments included a site located on a non-source area property of a Superfund site in Woburn, Massachusetts. Mr. Keith also has experience performing Phase I and Phase II Site Investigations, including subsurface exploration and groundwater sampling.

### **James F. Limbrunner**

Mr. Limbrunner is a staff engineer with Haley & Aldrich with three years of experience in Phase I environmental site assessments, subsurface investigation, and remedial design. Previous projects have included work on residential and commercial properties, landfills, and brownfields redevelopment. He holds a master's degree in civil engineering.

**Boyd P. Smith**

Mr. Smith has over 15 years of experience in the environmental consulting field, including 3 years with New Hampshire environmental agencies and over 12 years in the private sector. He has managed and worked on a broad range of projects, including industrial waste site investigation and remediation, transportation corridor environmental assessments, Phase I and Phase II site investigations and remediation, and environmental permitting and compliance.

**W. James Griswold**

Mr. Griswold is a Project Manager and Senior Hydrogeologist with over 16 years experience in environmental consulting. Previous projects have included work on residential and commercial properties, landfills, and brownfields redevelopment. He has managed and worked on a broad range of projects, including industrial waste site investigation and remediation, Phase I and Phase II site investigations and remediation.

**Muriel S. Robinette**

Ms. Robinette, during her 25 years in Environmental Consulting, has performed, scoped, and managed more than 300 environmental site assessments at industrial, residential and retail properties throughout the United States. She has degrees in geology and engineering, and served as an expert witness on many cases in regard to site conditions, property contamination and remediation.

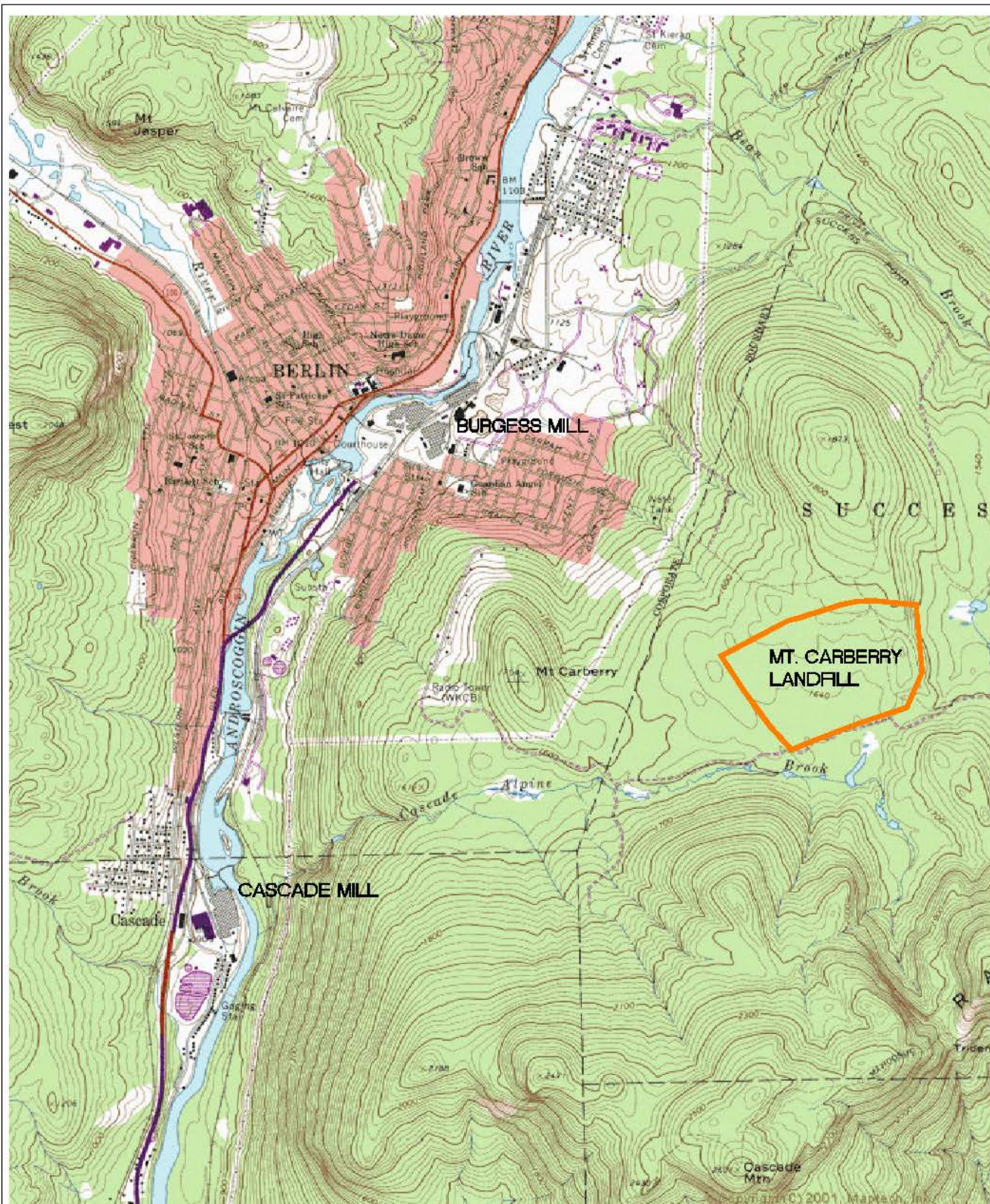


## REFERENCES

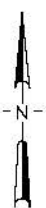
1. Berlin Fire Department, Berlin, New Hampshire, review of files by Haley & Aldrich, Inc, 20 February 2002.
2. Berlin Public Library, Berlin, New Hampshire, review of publications by Haley & Aldrich, Inc, 20 February 2002.
3. Berlin Tax Assessors Office, Berlin, New Hampshire, review of files by Haley & Aldrich, Inc., 20 February 2002.
4. Brown Company, Site Map, "Plan of Sulphite Mill Showing Location of Drains to Androscoggin River", Brown Company Sulphite Mill, Berlin, New Hampshire, 31 July 1923.
5. Brown Company, Site Map, "Flow Diagram of Streamflow Distribution - Heine Boiler Plant", Brown Company, Berlin, New Hampshire, *circa* 1920.
6. Brown Company, Site Map, "Plan of West Yard", Brown Company Sulphite Mill, Berlin, New Hampshire, 26 March 1925.
7. Burgess Sulphite Company, Site Map, "Property of the Burgess Sulphite Fibre Company", Burgess Sulphite Fibre Company, Berlin, New Hampshire, 15 November 1899.
8. H. M. Condon, Site Map, Burgess Sulphite Fibre Company, Berlin, New Hampshire, 8 December 1911.
9. Environmental Data Resources, Database Report, dated 19 February 2002.
10. Mr. Bob Goodreau, Chief, City of Berlin Fire Department, telecommunication with Haley & Aldrich, Inc., 19 February 2002.
11. Gorham Fire Department, Gorham, New Hampshire, review of files by Haley & Aldrich, Inc, 21 February 2002.
12. Haley & Aldrich, Inc., site visit conducted by Boyd P. Smith, Douglas C. Allen, James F. Limbrunner, and Tom Benedict on 20 and 21 February 2002.
13. James River Corporation, Interoffice correspondence from Dave Edelman - CES/Camas to Ray Danforth - Berlin, Reference 869, Soils PCB Content, 27 October 1987.
14. New Hampshire Department of Environmental Services, Concord, New Hampshire, review of files by Haley & Aldrich, Inc., 15 and 26 February 2002.
15. North Country Council, Inc., "An Action Plan for the Prevention of Contamination of the Berlin Water Works Surface Intake", July 2000.

16. Northern Forest Heritage Park House, Berlin, New Hampshire, review of files by Haley & Aldrich, Inc., 20 February 2002.
17. Sevee & Maher Engineers, Inc., Unpermitted Discharge Assessment for Crown Vantage Facilities in Berlin, Gorham, Success, and Shelburne, New Hampshire, Volume I – Report, August 1996.
18. Sevee & Maher Engineers, Inc., Precipitation Event Assessment of Unpermitted Discharge Assessment for Crown Vantage Facilities in Berlin, Gorham, Success and Shelburne, New Hampshire, Addendum – Report Precipitation Event, November 1996.
19. Tighe & Bond, Summary of Site Removal Actions Letter Report, 29 November 1999.
20. Topographic Map, Berlin, New Hampshire Quadrangle, United States Geological Survey 7.5 minute series, 1989.
21. Mrs. Sue Tremblay, Assessor, City of Berlin, telecommunication with Haley & Aldrich, Inc., 19 February 2002.
22. Mr. Roland Viens, Superintendent, Berlin Water Works, interview with Haley & Aldrich, Inc., 20 February 2002.





SITE COORDINATES: 44°26'48"N 71°11'16"W



USGS QUADRANGLE: BERLIN, NH (1989)



UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS

PHASE I ENVIRONMENTAL SITE ASSESSMENT  
CASCAD E MILL  
GORHAM, NEW HAMPSHIRE

SITE LOCUS

SCALE 1:24000

MARCH 2002

28701-970 A04

FIGURE 1





**APPENDIX A**

**Haley & Aldrich proposal dated 18 February 2002**



Haley & Aldrich, Inc.  
340 Granite Street, 3rd Floor  
Manchester, NH 03102-4004  
Tel: 603.625.5353  
Fax: 603.624.8307  
www.HaleyAldrich.com



18 February 2002  
File No. 28701-970

Fraser Paper, Inc.  
P.O. Box 1005  
70 Seaview Ave  
Stamford, Connecticut 06904

Attention: William Erspameb  
Director of Planning

Subject: Phase I Environmental Site Assessment Services  
Pulp and Paper Mill of America Sites  
Berlin and Gorham, New Hampshire

Ladies and Gentlemen:

In accordance with your request, Haley & Aldrich, Inc. is pleased to submit this proposal to provide environmental consulting services. We have prepared this proposal based on conversations we have held with you and our understanding of your needs in the potential acquisition of the subject sites.

This proposal presents our scope of work to perform Phase I Environmental Site Assessments (ESA) at the above-referenced sites. The Phase I ESA will be performed in a format consistent with the current ASTM E1527-00 Standard for Phase I Environmental Site Assessments.

#### PROJECT UNDERSTANDING AND OBJECTIVES

We understand that you are interested in purchase of properties currently owned by Pulp and Paper of America in Gorham and Berlin, New Hampshire. The objective of the Phase I ESA is to evaluate site history, observable conditions, and site use to identify the potential for presence of "Recognized Environmental Condition(s)" as that term is defined in the ASTM Standard. In brief, Recognized Environmental Conditions means the presence or likely presence of hazardous substances or petroleum products under conditions that represent an existing or past release, or material threat of release of the hazardous substances or petroleum on the property.

#### OFFICES

Boston  
Massachusetts

Cleveland  
Ohio

Dayton  
Ohio

Denver  
Colorado

Detroit  
Michigan

Hartford  
Connecticut

Los Angeles  
California

Newark  
New Jersey

Portland  
Maine

Rochester  
New York

San Diego  
California

Tucson  
Arizona

Washington  
District of Columbia

## PHASE I WORK SCOPE

As indicated above, the Phase I ESA is intended to evaluate information regarding site usage and history, and identify potential Recognized Environmental Conditions. The Phase I work scope described below has been developed accordingly, based on our current understanding of the site and consistent with the current standard. This approach consists of four work segments: 1) Records Review, 2) Site Reconnaissance, 3) Interviews, and 4) Report preparation. The segments include both ASTM-required and discretionary activities. The scope of work specific to this project, comprising these four segments, is described in detail below.

### ■ Records Review

Haley & Aldrich will assemble and review readily-available information on site history and usage as they relate to the presence of hazardous substances and petroleum products that would constitute Recognized Environmental Conditions on the site, as that term is defined by ASTM. The ASTM standard lists two types of records for review, mandatory and discretionary.

The mandatory ASTM-required records review includes federal and state sources of information and search distances for those sources. These include Federal NPL, CERCLIS, RCRA TSD and Generator, and ERNS lists. State hazardous waste, landfill, solid waste disposal and leaking/registered UST lists are also required. We will purchase applicable standard database search reports as part of this records review. Due to the size of the sites in question and their locations proximate to each other, we anticipate needing to order up to 10 databases, on a 24-hour turnaround, to appropriately cover the area(s) in question, according to the ASTM standard.

A 7.5-minute USGS topographic map will be used as the ASTM-mandatory Physical Setting source of information. This will be supplemented by discretionary review of readily-available sources of information concerning surface topography and water conditions, and subsurface soil, bedrock, and groundwater conditions on and in the vicinity of the project site(s).

The ASTM-discretionary local records review will consist of records of landfills, hazardous waste sites, underground storage tanks, and emergency release reports as contained in readily available city and town files and New Hampshire Department of Environmental Services files.

Haley & Aldrich will also solicit information on property history from other discretionary sources, as available, including Sanborn fire insurance maps, local street directories, and building-department records. Aerial photographs, if available,

will also be reviewed at the city and town offices. We will also review previous environmental assessment reports of the site, if available.

All records identified as "discretionary" under ASTM shall be selected and reviewed as available and deemed necessary to meet the project objective. This selection and review will be based on the sole judgement of Haley & Aldrich.

■ **Site Reconnaissance**

Haley & Aldrich will visit the sites and view exposed ground surface conditions to assess the nature and type of activities that have been conducted at the site in terms of the potential for Recognized Environmental Conditions to be present. Haley & Aldrich will view and document readily-visible evidence of current and past usage of the properties, particularly related to potential filling, structures, sewage disposal systems, hazardous substances and petroleum products, storage tanks, and evidence of spills or releases of hazardous substances or petroleum products. We will request a site tour of the existing buildings on the sites. This has been scheduled for Wednesday 20 February and will include 2 field teams - one each for Berlin and Gorham facilities. In addition, while the site tours are occurring, we will have additional field staff viewing abutting properties from public ways and reviewing any Town records, as available.

■ **Interviews with Owners, Occupants, and Agency Representatives**

Our approach requires that an interview be performed with a "Key Site Manager." We will solicit your support in identifying this individual(s) during our visit and request his/her participation in an interview regarding site usage and history, as known to the owners for each site.

Local agency officials will be contacted for any updated information related to storage, use, or release of hazardous substances or petroleum products that may constitute Recognized Environmental Conditions on the property. Haley & Aldrich will contact the local fire chief and the Code Enforcement Officer for records related to hazardous substances or petroleum products at the sites. If not made in person, such contacts will be documented in writing (letter or telephone contact sheets).

**PROFESSIONAL QUALIFICATIONS**

Please note that the ASTM Standard requires that qualifications of the environmental professional(s) involved in conducting the Phase I Environmental Site Assessment be either 1) included in the final report or 2) delivered to the user under separate cover. We will send you the resumes for selected personnel that will be performing the bulk of this work under separate cover.



## ESTIMATED COST

For your present budget purposes, we estimate the cost of consulting services associated with the above work scope to be \$80,000 range, based on the following estimates:

- Data base searches - assume 10 at 2X standard cost (24-hour expedited turnaround) - \$10,000
- File reviews at NHDES - assume 3 days with team of 4 - \$12,000
- Site visits - 2 teams of 4 for 2 days; 3 onsite for each facility and 1 each for review of abutments, Town files/interviews - \$20,000
- Report preparation/project management - \$35,000
- Copying [DES files; final reports and appendices - 5 original copies] - \$7,500

Our actual fees will be on a time and materials basis. We are committed to providing you with an ASTM compliant work product for these very complicated sites, in this expedited timeframe, and appreciate your understanding and flexibility [within your operating time constraints]. As you know, to meet your schedule, we will be working through the weekend of 23 February.

## SCHEDULE

Per your verbal authorization on Thursday 14 February, we began work on this project. The draft listing of RECs will be emailed to you (and others as you so designate) on Saturday 24 February by 6PM EST. We anticipate a conference call to discuss these draft findings with you on Sunday 24 February at a time to be designated by you. We will set up an 800 call in number for the conference call and include this with the draft email on Saturday. Five (5) copies of the Phase I reports and Appendices will be completed by 3PM 25 February 2002. We understand that you plan to pick up the final reports from our offices in Manchester.

## AUTHORIZATION

As requested, the Phase I work scope for this project will be performed consistent with ASTM E1527-00, the most recent environmental site assessment guidance. Please note that others, such as the Federal Home Loan Bank Board, the Resolution Trust Corporation, and Professional Associations (such as ASFE and AGWSE) have also developed "guidelines" or "standards" for environmental site assessments. Unless specifically referenced in this proposal, the work scope and report will not address other guidelines or standards.

This work scope is not an audit for regulatory compliance, or a detailed survey of structures for the presence of lead paint, PCBs, radon, or other naturally occurring non-disposed materials.

Our reports will be prepared for you and your company's use, its parent, agents, subsidiaries, agents and attorneys, solely for the purposes stated in this proposal. If the reports are circulated, or conveyed, in whole or in part, to any other party, or used by any other party, these parties shall not rely on the information provided in the reports, because the work was not performed for them, nor was it done with their specific needs, interests, risk tolerance, or expectations in mind. However, if the other parties wish to rely on the reports, if requested, they may receive specific written permission of Haley & Aldrich subject to their agreement to specific terms and conditions provided by Haley & Aldrich.

Services will be provided in accordance with "Standard Terms and Conditions," Environmental, dated March 1994, designated 94-B, and "Standard Fee Schedule," dated January 2001, designated 01-M7, which are integral to this proposal.

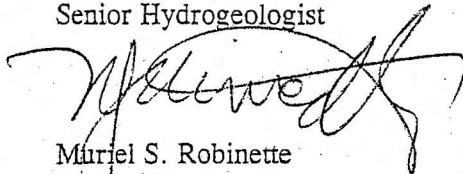
If the above arrangements are satisfactory to you, please indicate your acceptance by signing and returning one copy of this letter. When accepted by you, this proposal together with the attached Terms and Conditions and Fee Schedule will constitute our Agreement.

We appreciate the opportunity to submit this proposal and look forward to our association with you on this project. Please contact the undersigned if you wish to discuss this proposal or any aspect of the project.

Sincerely yours,  
HALEY & ALDRICH, INC.



W. James Griswold, PG  
Senior Hydrogeologist




Muriel S. Robinette  
Senior Vice President

Attachment

G:\PROPOSAL\28701-970\Berlin Proposal.doc

This proposal, and the attached "Standard Terms and Conditions" and "Standard Fee Schedule", are understood and accepted:

FRASER PAPER, INC.

By   
(authorized signature)

By A. Wm. Erspamer  
(print or type name)

Title DIRECTOR of PLANNING

Date February 19<sup>th</sup>, 2002

## **APPENDIX B**

### **Historical Research Documentation**

## **Appendix B**

Aerial Photograph

Historical Topographic Maps

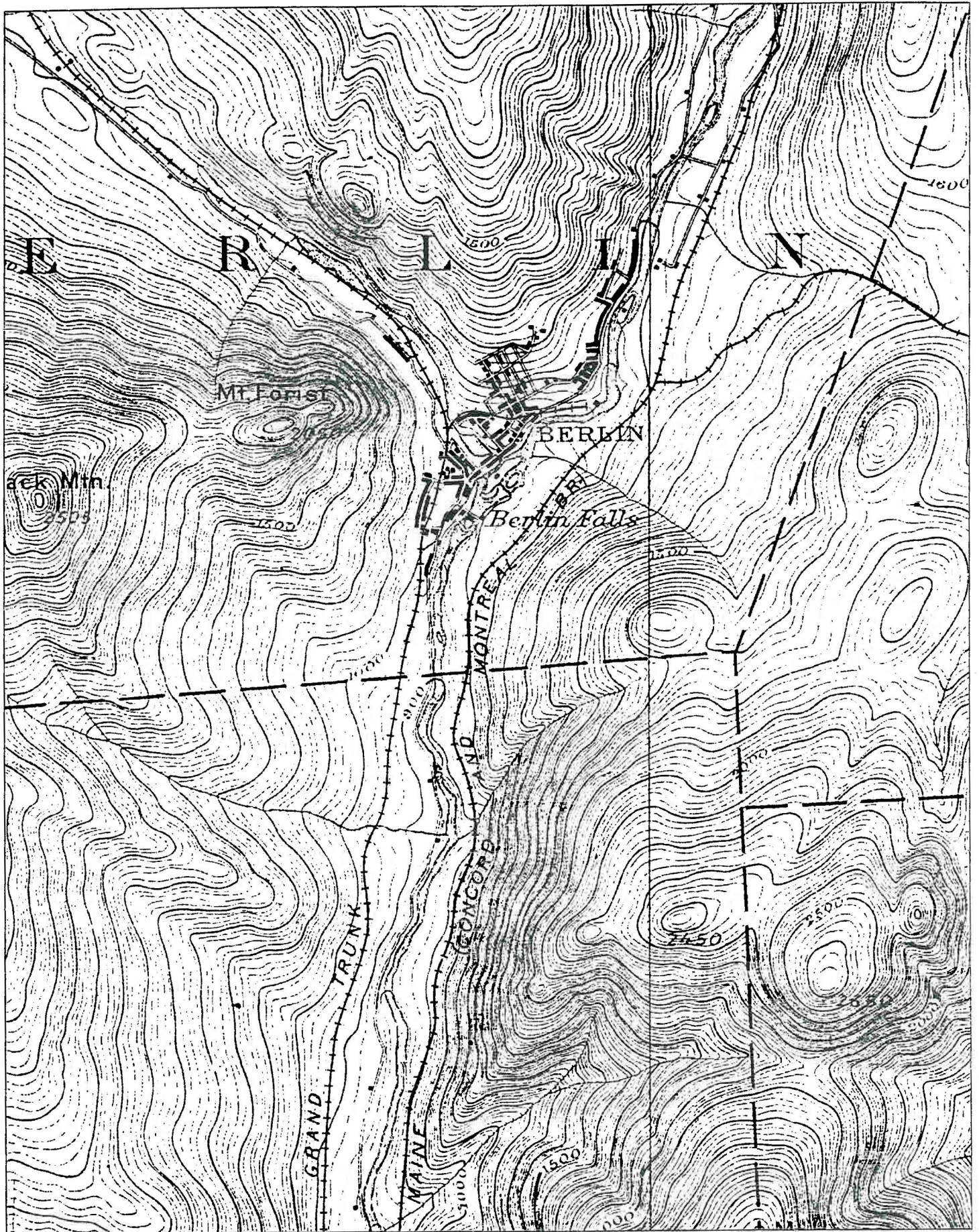
Historical Society and Library Records





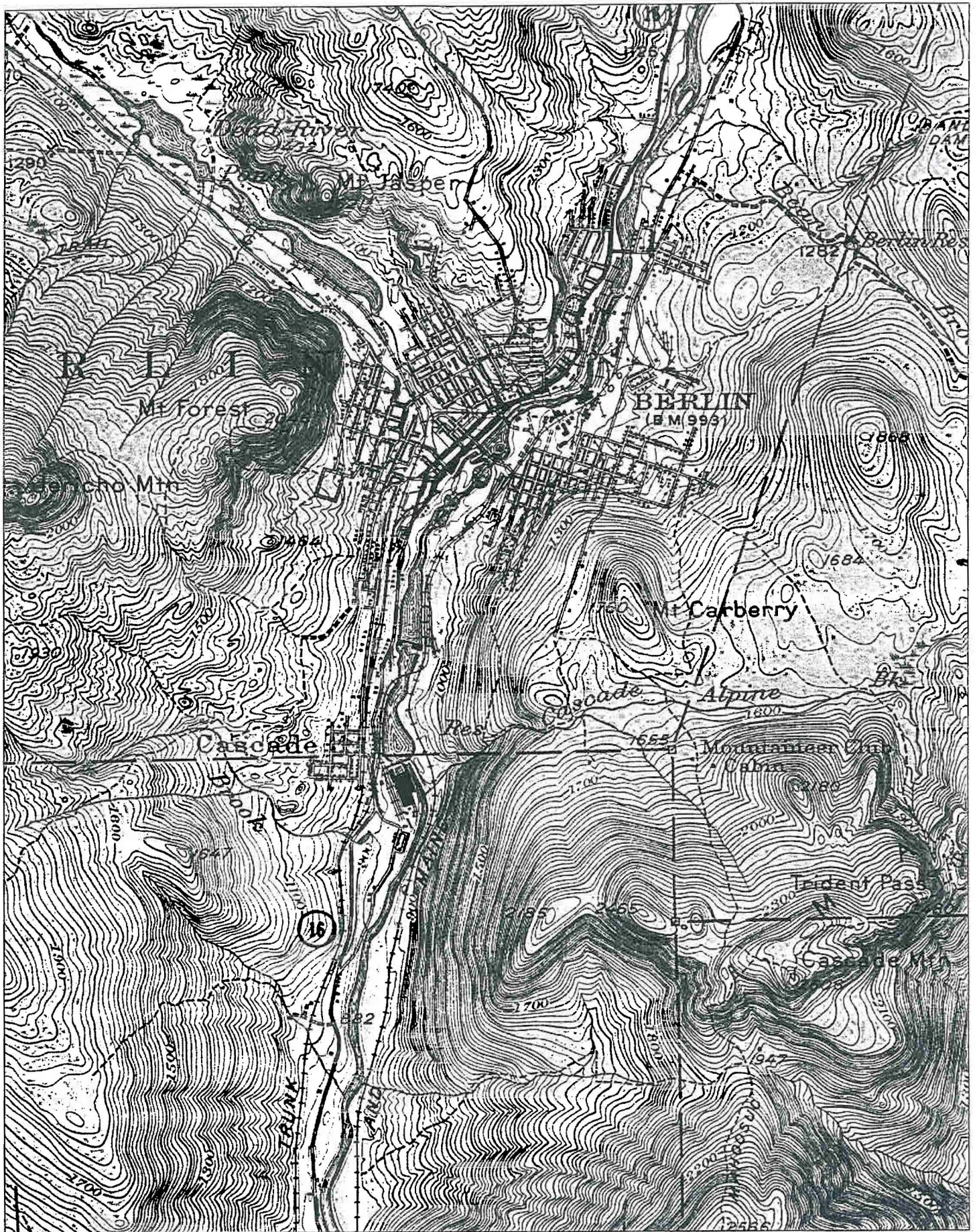
MAY 1999 1" = 200 m





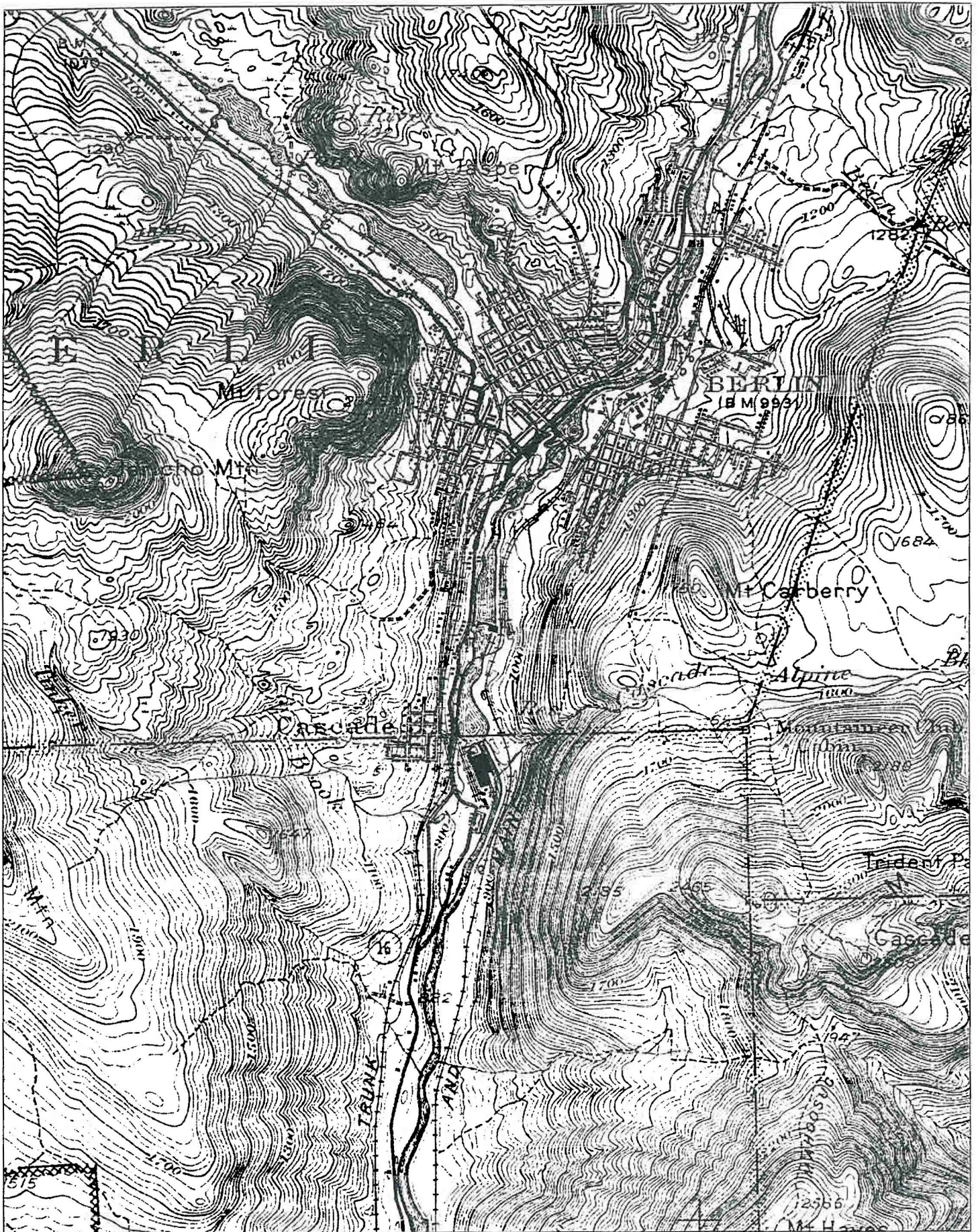
1893 USGS QUADRANGLE





1937 USGS QUADRANGLE





1942 USGS QUADRANGLE